February 16, 2005

Marlene H. Dortch
Secretary
Federal Communications Commission
445 12th Street, SW
Washington, DC 20554

RE: WTB Docket Number 02-378, Region 19 - 700Mhz Regional Plan

Dear Secretary Dortch:

In accordance with the provisions of WTB Docket Number 02-378 the New England Region 19 700Mhz Planning Committee submits the attached plan for 700Mhz. Attached are the concurrence letters from adjacent Planning Regions 8 and 30. If you have any question regarding our submission please contact me (860-685-8108, george.pohorilak@po.state.ct.us) or Vice Chairman Jerry Zarwanski (860-685-8157, jerry.zarwanski@po.state.ct.us)

Sincerely,

George J. Pohorilak
Chairman

CC: Jeannie Benfaida

The New England

700 MHz Regional Plan

Region 19

June 2004

(with revisions through December 2004)

THE NEW ENGLAND 700 MHZ REGIONAL PLAN - REGION 19
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NEW ENGLAND REGION 19
700 MHZ PLAN INTRODUCTION AND SUMMARY

The New England 700 MHz, Region 19 Committee was established on December 7, 2000 in response to the Federal Communications Commission's (FCC) announcement of the allocation of 24 MHz in the 700 MHz radio spectrum. The allocation of spectrum was a result of the Public Safety Wireless Advisory Committee (PSWAC) report that established need requirements throughout the country. Interoperability within and among public safety and public service providers was identified in the PSWAC report as a basic minimum essential requirement.

In response to the mandate to develop plans for the allocation of 700MHz spectrum, the FCC established a Federal Advisory Committee called the National Coordination Committee (NCC). The NCC was created to address interoperability, technology and implementation issues to be considered in the development of plans for 700MHz spectrum. The FCC required that a Regional Plan outlining the use of public safety radio frequencies be completed and approved by the FCC before any agency within a region would receive channels for the newly allocated spectrum.

The New England 700 MHz -Region 19 Plan utilized the NCC Planning Guidelines in many of the Plans sections. The New England Region 19 – 700MHz Committee represents a cross section of all public safety services and public service users from the six New England states. No other region covers as many states as the New England Region. The challenges to ensuring that all states are represented and that all state members have an equal opportunity to attend meetings in their respective states have been met. Quarterly meetings are rotated from state to state. Membership has been solicited from each member state. The challenges to finding an equitable process for the distribution of spectrum across a 62,810 square mile region (an area greater than all but 23 single states) with diverse topography and demographics is daunting.

The guidelines established by the NCC for interoperability have been adopted with the New England Regional Plan. The ability to standardize interoperability frequency usage for all New England States as well as adjoining regions is an achievement in of its self.

The purpose of the New England Region 19 – 700 MHz Plan is to provide the maximum utilization and public benefit from the 700 MHz spectrum by eligible entities. The plan serves a as guide book to those eligible entities who apply for 700MHz spectrum and provides for a means of settling disputes concerning frequency allocations should they arise. Eligible agency users are defined by the PSWAC and NCC as follows: Public Safety - the public's right, exercised through Federal, State, or Local government as prescribed by law, to protect and preserve life, property, natural resources and to serve the public welfare. Public safety services – those services rendered by or through Federal, State or Local governmental entities in support of public safety duties. Public safety services providers – governmental and public entities or those non-government, private organizations, which are properly authorized by the appropriate government whose primary mission is providing public safety duties. Public services – those services provided by non-public safety entities that furnish, maintain, and protect the nation's basic infrastructures which are required to promote the public's safety and welfare.

Priority is given to those public safety and public service agencies that are primarily responsible for the protection of life and property. Assignment of frequencies is based upon the mandate that the utilization of the spectrum be in the most efficient manner possible through advanced technology.

Adjacent regions (Region 8 and Region 30) are developing 700 MHz plans. It is anticipated that as their Plans are developed, Region 19 will participate in joint discussions to ensure continued coordination, cooperation and concurrence.

All meetings of the New England 700 MHz Committee are open to the general public. Notification of meetings is accomplished by mail, email, fax and posting on the FCC and New England 700MHz Committee web sites (www.NER700MHz.org).

700 MHz Plan for

New England,

Region 19

NEW ENGLAND REGION 19
AUTHORITY OF THE COMMITTEE AND COMMITTEE OFFICERS

Authority of the Committee

The Federal Communications Commission, in conjunction with the National Public Safety Telecommunications Council and The National Coordinating Committee. established a Regional Planning Committee process in the First Report and Order and Notice of Proposed Rulemaking released (January 17, 2000) in Gen. Docket No. 96-86 Technical and Operational Rules and Policies regarding the use of frequencies in the 764-776 MHz and 794-806 MHz bands (700 MHz). Regional Planning Committees, consisting of local representatives from the Association of Public Safety Communications Officers (APCO), the International Municipal Signal Association (IMSA), the Forestry Conservation Communications Association (FCCA), and American Association of State Highway and Transportation Officials (AASHTO), were established to cover all parts of the United States, Puerto Rico, and the U.S. Virgin Islands. The principal spectrum resource for the Regional Planning Committees is the 764-776 MHz and 794-806 MHz bands which are further divided into General Use Spectrum, Interoperability Spectrum, State Spectrum and Reserved Spectrum. No assignments will be made in the 764-776 MHz and 794-806 MHz bands until a regional plan for the area has been accepted by the Commission.

Region 19 – Committee Officers

At the initial December 7, 2000 New England Region 700 MHz Planning Committee meeting, held at the Daniel Webster College in Nashua, New Hampshire, Mr. George Pohorilak, current chair of the Region 19 800 MHz Committee, called the meeting to order.

Mr. Pohorilak was nominated from the floor for the position of Chairperson. His election to the position was unanimous. The following officers were then elected: Mr. Jerry Zarwanski was elected as Vice Chairman, and Mr. Jim Warakois was elected as Recording Secretary.

The names and addresses of current officers follows:

Chairman: Mr. George Pohorilak
CT Dept. of Public Safety
Office of Statewide Emergency Telecommunications
PO Box 2794
1111 Country Club Road
Middletown, CT 06457-9294
Phone: (860) 685-8108
Fax: (860) 685-8363
E-mail: george.pohorilak@po.state.ct.us

Vice Chairman: Mr. Jerry Zarwanski
CT Dept. of Public Safety
Office of Statewide Emergency Telecommunications
PO Box 2794
1111 Country Club Road
Middletown, CT 06457-9294
Phone: (860) 685-8157
Fax: (860) 685-8363
E-mail: jerry.zarwanski@po.state.ct.us

Recording Secretary: Mr. James Warakois
Boston Police Department
2626 Centre Street
West Roxbury, MA 02132
Phone: (617) 343-4214
Fax: (617) 325-2352
E-mail: warakoisj@apco911.org

Treasurer: E. Douglas Hackett
(Current Elected APCO Atlantic Chapter Treasurer)
Hanover Police Department
46 Lyme Road
Hanover, NH 03755
Phone: (603) 643-2222

NEW ENGLAND REGION 19
REGIONAL PLANNING COMMITTEE MEMBERS & CONTACT INFORMATION

Name	Work Phone	Fax Number	Email Address	Member Org
Aiken, Douglas M.	(603) 528-9111	(603) 528-5989	daiken@imsasafety.org	IMSA
Bardwell, Thomas	(603) 271-2421	(603) 271-6629	tbardwell@safety.state.nh.us	Police
Brown, Stephan	(860) 292-2065	(860) 292-2051	sbrown@bradleyairport.com	Highway
Carbonell, George	(860) 258-0376	(860) 258-0399	george.carbonell@po.state.ct.us	AASHTO
Crotty, Thomas	(401) 444-1185	(401) 444-1186	tcrotty@risp.state.ri.us	Police
Derdak, Elliot A.	(617) 343-1140	(617) 343-1199	derdak@bostonems.org	EMS
Dobbins, Caleb	(603) 271-2693	(603) 271-6084	cdobbins@dot.state.nh.us	AASHTO
Gustafson, John	(203) 946-7038	(203) 499-5682	cmed.nh@snet.net	Fire
Kowalik, James R.	(603) 271-2421	(603) 271-6629	kowalikj@safety.state.nh.us	APCO
Leary, Paul M.	(603) 271-2217	(603) 271-6488	pleary@dred.state.nh.us	FCCA
Mansfield, William (Bill)	(603) 594-3521	(603) 594-3615	mansfieldw@pd.ci.nashua.nh.us	At-Large
Muise, Tom	(508) 820-2023	(508) 875-2517	tom.muise@mema.state.ma.us	Emerg Mgt
O'Brien, Arthur	(617) 973-8126	(617) 973-8037	arthur.obrien@state.ma.us	AASHTO
Plante, William	(207) 287-3426	(207) 287-6218	william.plante@state.me.us	AASHTO
Pohorilak, George P.	(860) 685-8108	(860) 685-8363	george.pohorilak@po.state.ct.us	At-Large
Poole, Mark W.	(207) 624-7091	(207) 624-7088	mark.w.poole@state.me.us	APCO
Richardson, Greg	(617) 343-2875	(617) 343-2060	gregr.bfd@ci.boston.ma.us	Fire
Shand, Gordon	(860) 509-7981	(860) 509-7989	gordon.shand@po.state.ct.us	EMS
Stemmler, Michael	(860) 685-8280	(860) 685-8345	michael.stemmler@po.state.ct.us	Police
Sutherland, C. Blair	(508) 820-2264	(617) 727-5051	blair.sutherland@pol.state.ma.us	Police
Walsh, Thomas M.	(860) 566-4737	(860) 247-0664	thomas.walsh@po.state.ct.us	Emerg Mgt
Warakois, James	(617) 343-4214	(617) 325-2352	warakoisj@apco911.org	APCO
Welch, Charles (Chuck)	(603) 271-2231	(603) 225-7341	cwelch@nhoem.state.nh.us	Emerg Mgt
Wood, Bill	(603) 271-4615	(603) 271-4567	bwood@safety.state.nh.us	EMS
Zarwanski, Jerry	(860) 685-8157	(860) 685-8363	jerry.zarwanski@po.state.ct.us	APCO

Amended and Approved at the March 12, 2002 Meeting

BY LAWS OF THE
NEW ENGLAND 700 MHZ COMMITTEE/REGION 19

ARTICLE I

NAME & PURPOSE

1.1 Name and Purpose.
The name of this Region shall be "The New England 700 MHz Committee/Region 19". Its primary purpose is to foster cooperation, planning, and development of regional plans and the implementation of these plans in the 700 MHz Public Safety Band.

ARTICLE II

MEMBERS

For purposes of this Article, the term "member," unless otherwise specified, refers to both voting and non-voting members.

The areas served by the committee are the states of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island and Connecticut.

2.1 Number, Election and Qualification.
The Regional Committee shall have two classes of members, "voting members" and "non-voting members." New members may be added at annual, special, or regular meetings.

Voting Members. Voting members shall consist of one representative from any single agency engaged in public safety eligible to hold a license under 47 CFR 90.20, 47 CFR 90.523 or 47 CFR 2.103.

A single agency shall be allowed no more than one vote for each distinct eligibility, category (e.g. police, fire, EMS, highway) within the agency's organization or political jurisdiction. In voting on any issue, the individual must identify himself/herself and the agency and eligibility category which he or she represents. Members must be representative of eligible organizations from the member states.

Non-Voting Members. Non-voting members are all others interested in furthering the goals of public safety communications.

2.2 Tenure.
In general, each member shall hold MEMBERSHIP from the date of acceptance until resignation or removal.

2.3 Powers and Rights.
In addition to such powers and rights as are vested in them by law or these bylaws, the members shall have such other powers and rights as the membership may determine.

2.4 Suspension and Removal.
A representative may be suspended or removed with cause by vote of a majority of members after reasonable notice and opportunity to be heard. Failure to attend at least 25% of meetings held in a calendar year shall be a specific cause for removal from the membership. Removal from the membership is subject to the discretion of the committee.

2.5 Resignation.
A member may resign by delivering written resignation to the chairman, vice-chairman, treasurer or secretary of the Regional Committee or to a meeting of the members.

2.6 Annual Meetings.
The annual meeting of the members shall be held during the fall of each calendar year. The Committee will meet on a quarterly basis with the annual meeting serving as one of the quarterly meetings. The meetings will rotate through the member states on an established rotational schedule which shall be set at the annual meeting each year. If an annual meeting is not held as herein provided, a special meeting of the members may be held in place thereof with the same force and effect as the annual meeting, and in such case all references in these bylaws, except in this Section 2.6, to the annual meeting of the members shall be deemed to refer to such special meeting. Any such special meeting shall be called, and notice shall be given as provided in Section 2.7 and 2.8.

2.7 Special Meetings.
Special meetings of the members may be held at any time and at any place within the Regional Committee area. Special meetings of the members may be called by the chairman or by the vice-chairman; or in case of death, absence, incapacity by any other officer or upon written application of two or more members.

2.8 Call and Notice.

A. Annual meetings. Reasonable notice of the time and place of special meetings of the members shall be given to each member. Such notice need not specify the purposes of a meeting, unless otherwise required by law or these bylaws or unless there is to be considered at the meeting (i) amendments to these bylaws, (ii) an increase or decrease in the number of members, or (iii) removal or suspension of a member who is an officer. The schedule for the next year's meetings shall be determined at the annual meeting.

B. Reasonable and sufficient notice. Except as otherwise expressly provided, it shall be reasonable and sufficient notice to a member to send notice by mail or by e-mail or facsimile at least ten days before the meeting. Addressed to such member at his or her usual or last known business address or to give notice to such member in person or by telephone at least three days before the meeting.

2.9 Committee Membership/Quorum/Voting.

A. Memberships. One person shall represent each member state from each of the following categories; Police, Fire, EMS, Emergency Management, APCO, AASHTO, IMSA, FCCA, an At-Large Representative and a Highway Representative.

B. Quorum. At any meeting of the members, nine eligible members, representing no less than three states, shall constitute a quorum.

C. Voting. No single agency shall be allowed more than one vote for each distinct eligibility category within the agency's organization or political jurisdiction. No state may represent more than fifty percent of the total quorum for action on a vote.

D. Voting members must attend one scheduled regular meeting annually.

E. Any meeting may be adjourned to such date or dates not more than ninety days after the first session of the meeting by a majority of the votes cast upon the question whether or not a quorum is present, and the meeting may be held as adjourned without further notice.

F. Each representative state organization will appoint members for their respective states. If a state organization does not appoint a member to the 700MHz Committee, that state slot may be filled with additional at-large member(s). Individuals from eligible categories may apply to the committee for vacant at-large position(s).

2.10 Action by Vote.

Each voting member, representing a particular agency (one vote per agency) shall have one vote; non-voting members have no right to vote. When a quorum is present at any meeting, a majority of the votes properly cast by voting members present shall decide any question, including election to any office, unless otherwise provided by law or these bylaws.

2.11 Action by Writing.

Any action required or permitted to be taken at any meeting of the members may be taken without a meeting if all members entitled to vote on the matter consent to the action in writing and the written consents are filed with the records of the meetings of the members. Such consents shall be treated for all purposes as a vote at a meeting.

2.12 Proxies.

Voting members may vote either in person or by written proxy dated not more than one month before the meeting named therein, which proxies shall be filed before being noted with the secretary or other person responsible for recording the proceedings of the meeting. Unless otherwise specifically limited by their terms, such proxies shall entitle the holders thereof to vote at any adjournment of the meeting but the proxy shall terminate after the final adjournment of such meeting.

2.13 Voting on One's Own Application.
At no time can a voting member vote on his/her application.

2.14 Special Interest Voting.
A voting member cannot have a commercial interest in any of his/her region and/or adjacent region's application(s) on which he/she is reviewing, approving and/or voting.

ARTICLE III

OFFICERS AND AGENTS

3.1 Number and Qualification.
The officers of the Regional Committee shall be a chairman, vice-chairman, treasurer, secretary and such other officers, if any, as the voting members may determine. All officers must be voting members of the Regional Committee.

3.2 Election.
The officers shall be elected by the voting members at their first meeting and, thereafter, at the annual meeting of the members.

3.3 Tenure.
The officers shall each hold office until the annual meeting of the members held within one year from the adoption of these bylaws, or until their successor, if any, is chosen or in each case until he or she sooner dies, resigns, is removed or becomes disqualified.

3.4 Chairman and Vice-Chairman.
The Chairman shall be the chief executive officer of the Regional Committee and, subject to the control of the voting members, shall have general charge and supervision of the affairs of the Regional Committee. The chairman shall preside at all meetings of the Regional Committee.

The Vice-Chairman shall have such duties and powers as the voting members shall determine. The vice-chairman shall have and may exercise all the powers and duties of the chairman during the absence of the chairman or in the event of his or her inability to act.

3.5 Treasurer.
The Treasurer of the Atlantic Chapter of APCO shall serve as the financial officer and the accounting officer of the Regional Committee. The treasurer shall be in charge of its funds and valuable papers, and shall keep full and accurate records thereof.

3.6 Secretary.
The secretary shall record and maintain records of all proceedings of the members in a file or series of files kept for that purpose, such file or files shall be kept within the Region and shall be open at all reasonable times to the inspection of any member. Such file or files shall also contain records of all meetings and the original or attested copies of bylaws and names and addresses of all members (including e-mail address, if available).

If the secretary is absent from any meeting of members, a temporary secretary chosen at the meeting shall exercise the duties of the secretary at the meeting.

3.7 Suspension or Removal.
An officer may be suspended with cause by vote of a majority of the voting members.

3.8 Resignation.
An officer may resign by delivering his or her written resignation to the chairman, vice-chairman, treasurer, or secretary of the Regional Committee. Such resignation shall be effective upon receipt (unless specified to be effective at some other time), and acceptance thereof shall not be necessary to make it effective unless it so states.

3.9 Vacancies.
If the office of any officer becomes vacant, the voting members may elect a successor. Each such successor shall hold office for the remainder of the term, and in the case of the chairman, vice-chairman, treasurer and clerk until his or her successor is elected and qualified, or in each case until he or she sooner dies, resigns, is removed or becomes disqualified.

ARTICLE IV

AMENDMENTS

These bylaws may be altered, amended or repealed in whole or in part by vote. The voting members may, by a two-thirds vote, alter, amend, or repeal any bylaws adopted by the Regional Committee members or otherwise adopt, alter, amend or repeal any provision which by FCC regulation or these bylaws requires action by the voting members.

ARTICLE V

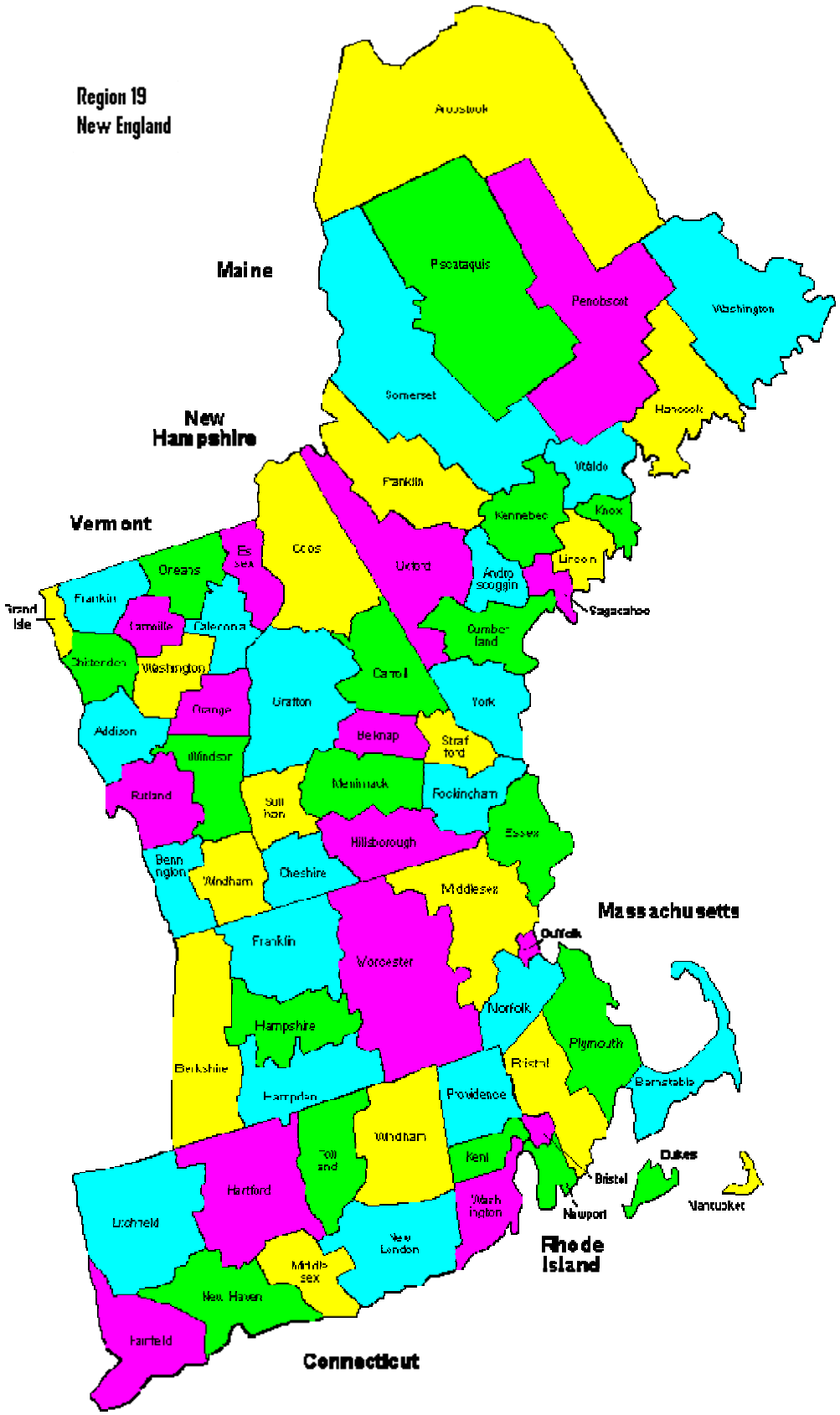
DISSOLUTION

This Regional Committee may be dissolved by the consent of two-thirds plus one of the members in good standing at a special meeting called for such purpose. The FCC shall be notified.

ARTICLE VI

RULES OF PROCEDURES

The Conduct of Regional Meetings including without limitation, debate and voting, shall be governed by Robert's Rules of Order, newly revised, tenth edition, October 2000, Henry M. Robert III, and William J. Evans, et al.


Region 19
New England
Maine
New Hampshire
Vermont
Massachusetts
Rhode Island
Connecticut
Aroostook
Piscataquis
Penobscot
Washington
Somerset
Hancock
Waldo
Franklin
Kennebec
Knox
Oxford
Lincoln
Androscoggin
Sagadahoc
Cumberland
Oxford
Coos
Grand Isle
Franklin
Orleans
Essex
Caledonia
Lamoille
Chittenden
Washington
Orange
Addison
Rutland
Windsor
Windham
Bennington
Grafton
Carroll
York
Belknap
Strafford
Merrimack
Sullivan
Rockingham
Hillsborough
Cheshire
Essex
Middlesex
Suffolk
Worcester
Franklin
Hampshire
Berkshire
Hampden
Norfolk
Plymouth
Bristol
Barnstable
Providence
Kent
Washington
Newport
Bristol
Dukes
Nantucket
Windham
Tolland
Hartford
Litchfield
New London
Middlesex
New Haven
Fairfield

NEW ENGLAND REGION 19
DESCRIPTION AND MAP

New England Region 19 comprises six states: Maine, New Hampshire and Vermont to the north, Massachusetts, Connecticut and Rhode Island to the south. The three northern states border Canada. The western regional border is adjacent to New York state. The eastern and southern borders meet the Atlantic Ocean and Long Island Sound.

The region's topography is diverse. "The key topographic influence are the Appalachian mountains, which run north from western Connecticut and Massachusetts, into the Green Mountains of Vermont, and the White Mountains of New Hampshire, terminating in Maine. The trademark rocky coastline of Maine, sandy beaches and dunes of New Hampshire, Massachusetts, and Rhode Island, and Connecticut, offer the interface between the land mass of New England and the waters of the Atlantic Ocean and Long Island Sound. Bridging the gap between the ocean and mountains" are coastal plain and rolling hills.[1] The highest point is Mount Washington in New Hampshire which rises 6,288 feet above sea level. The lowest elevation is sea level for the states bordering the Atlantic Ocean and Long Island Sound. The region encompasses 62,810 square miles with a population of 13,562,517.[2] Population characteristics very considerably.

The northern states - Maine, New Hampshire, Vermont - are sparsely populated relative to the region as a whole. While these states comprise 78% of the geographical region (49,080 square miles), they account for 23% of the region's population (3, 119,536). The average population density for these three states combined is 64 persons per square mile. Within these states, the population density ranges from four persons per square mile (Piscataquis County, Maine) to 435 persons per square mile (Hillsborough County, New Hampshire). There is one city with a population of over 100,000, Manchester, New Hampshire (population 107,006).

The population of the region's southern states - Massachusetts, Connecticut and Rhode Island - reflect a more urban nature. This remaining geographic area comprises 22% of the geographic area (13,730 square miles) but 77% of the population (10,442,981) with an average density of 761 persons per square mile. However, within these states, there is a wide range in population density ranging from 102 persons per square mile (Franklin County, Massachusetts) to 11,788 persons per square mile (Suffolk County, Massachusetts). There are 11 cities with populations of over 100,000 in these states, the most populous being Boston, Massachusetts (population 589,141).

A complete listing of the region's states and counties is found in Appendix E.

Clearly, the geographic and demographic diversity within Region 19 presents both operational and structural challenges in the development and administration of the comprehensive management plan.

1. "The New England Weather Network: A Shared 21st Century Vision For Environmental Monitoring and Science Education In The New England States," University of Maine Robust Instrumentation Laboratory website
http://www.eece.maine.edu/EE/RIL/ updated 08-04-00.
2. County population data taken from:
U.S. Census Bureau, Census 2000 Summary file 1, Matrices PCT 12 and 13.
Population density data taken from:
U.S. Census Bureau, Census 2000 QuickFacts state and county tables.
Cities with population over 100,000 data taken from:
U.S. Census Bureau, Table SUB-EST2002-01, City and Town Population Estimates: April 1, 2000 to July 1, 2002.

NEW ENGLAND REGION 19
MEETING NOTICES

The following is a listing of Meeting Notices, Dates, and Locations for the New England Region 700 MHz Planning Committee. All meetings were scheduled from 10:00 a.m.until noon. Directions to the individual meetings are posted on the 700 MHz Committee website at http://www.ner700mhz.org.

December 7, 2000	Held at the Daniel Webster College, Nashua, New Hampshire
March 29, 2001	Held at the Massachusetts State Police Headquarters, Framingham, Massachusetts
June 20, 2001	Held at the Vermont State Police Barracks, Chester, Vermont
September 26, 2001	Held at the Municipal Police Headquarters, Scarborough, Maine
December 11, 2001	Held at the Emergency Operations Center, Office of Emergency Management, Cranston, Rhode Island
March 12, 2002	Held at the Connecticut Department of Transportation, Rocky Hill, Connecticut
June 11, 2002	Held at the New Hampshire State Police Headquarters, Manchester, New Hampshire
September 10, 2002	Held at the Massachusetts State Police General Headquarters, 470 Worcester Road, Framingham, Massachusetts
December 10, 2002	Held at the Springfield State Office Building, Springfield, Vermont
March 11, 2003	Held at Maine State Police Barracks, Troop B, Gray, Maine
June 10, 2003	Held at the Emergency Operations Center, Office of Emergency Management, Cranston, Rhode Island
September 9, 2003	Held at the Connecticut Fire Academy, 34 Perimeter Road, Windsor Locks, Connecticut
December 9, 2003	Held at the Department of Public Safety, Division of State Police, 10 Hazen Drive, Concord, New Hampshire.
March 9, 2004	Held at Massachusetts State Police General Headquarters, 470 Worcester Road, Framingham, Massachusetts

June 8, 2004 Held at the Brattleboro Vermont Municipal Center, Grove Street, Brattleboro Vermont

NEW ENGLAND REGION 19
700 MHZ CHANNEL APPLICATION PROCEDURES

Public safety users wishing to apply for channels in the 764-776 MHz and 794-806 MHz bands identified by the Federal Communications Commission must meet eligibility and coordination rules established by the Regional Planning Committee and are listed as:

- Local Government Services and Police Services - Association of Public Safety Communications Officials (APCO)
- Fire Service - International Municipal Signal Association (IMSA)
- Forestry Conservation Services - Forestry Conservation Communications Association (FCCA)
- Highway Maintenance Services - American Association of State Highway and Transportation Officials (AASHTO)

REGIONAL PLANNING COMMITTEE APPLICATION PROCEDURES

Applications for frequencies in the 764-776 MHz and 794-806 MHZ spectrum are subject to pre-application review of operational requirements as established by the FCC in the category into which they fall. Each designated committee shall establish the requirements for use of the respective frequency allocations under their jurisdiction. The categories are:

- Interoperability Spectrum
- State Spectrum (State Band Manager)
- Reserved Spectrum (To be determined by the FCC)
- General Use Spectrum.

Interoperability Spectrum - Frequency use in this category will be allocated by each member State's Interoperability Executive Committee, SIEC, if one exists, or by the Region 19 Regional Planning Committee if there is no SEIC. The designated use of the Interoperability Channels will adhere to the recommendations of the Public Safety National Coordination Committee.

The FCC designated approximately 10 percent (2.6 MHz) of the 700 MHz Public Safety Spectrum for nationwide interoperability communications. State-level organizations are usually in control at large-scale events and disasters or multi-agency incidents. Although the Commission supports the creation of SIECs, some states already have a mechanism in place that is equivalent of an SIEC that could administer the Interoperability channels. The RPC will develop the Interoperability Plan, review applications for base stations, and provide pre-coordination technical review.

The first responsibility is to develop an Interoperability Plan. The plan would decide who will hold the license for the Interoperability Spectrum, as well as to resolve licensing issues. Other responsibilities involved in administering the Interoperability channels include the creation and oversight of incident response protocols, creation of chains of command for incident response and reporting, and executing Memoranda of Understanding and Sharing Agreements. Vermont has delegated the approval process for Interoperability channels to the Regional Planning Committee.

Connecticut, Maine, Massachusetts, New Hampshire and Rhode Island have assumed the responsibility for their respective interoperability plans.

On occasion, the FCC will publish notices and bulletins on their internet website. These FCC "Public Notice" 700 MHz Public Safety Band – Announcement of Updates of Interoperability Spectrum Administration Decisions are found in Appendix J.

The individual State Interoperability Spectrum Points of Contact for the New England Region, Region 19, is found in Table 1.

Connecticut: Department of Information Technology Chief Information Officer Gregg P. Regan State of Connecticut 101 East River Drive East Hartford, CT 06108-3285 Phone: (860) 622-2419 Email: rock.regan@po.state.ct.us	**Massachusetts:** Commonwealth of Massachusetts Department of State Police Blair Sutherland, Director, Telecommunications 470 Worcester Road Framingham, MA 01702 Phone: (508) 820-2264 Email: Sutherland@pol.state.ma.us
New Hampshire: New Hampshire Department of Public Safety Division of State Police Jim Kowalik Communications Maintenance Supervisor 10 Hazen Drive Concord, NH 03305 Phone: (603) 271-2421 Email: jkowalik@safety.state.nh.us	**Rhode Island:** Rhode Island State Police Thomas Crotty Radio Communications Director 311 Danielson Pike North Scituate, RI 02857 Phone: (401) 444-1185 Email: tcrotty@risp.state.ri.us
Maine: Maine State Police Mark W. Poole 36 Hospital Street Augusta, ME 04333 Phone: (207) 624-7091 Email: mark.w.poole@state.me.us	**Vermont:** Region 19 – 700 MHz Regional Planning Committee will administer.

Table 1: Region 19 Interoperability Spectrum Points of Contact

State Spectrum - Frequency use in this category will be allocated by the State Band Manager of each member State in Region 19 or by the Region 19 Regional Planning Committee, if so designated. State Band Managers shall be responsible for planning and managing the frequency database and shared use of the State Spectrum with the bordering State Band Managers, through the Regional Planning Committee. The designated State Band Manager, or Committee, shall establish the requirements for use of the respective frequency allocations under their jurisdiction and file their plans for approval with the New England Region 19 700 MHz Planning Committee.

The state license is a geographic area license based on state boundaries. It differs from site-based licensing which is the normal type of public safety licensing. State licensees are subject to the

general limits that govern geographic area licenses, including antenna structures and air navigation, international coordination, and environmental requirements including quiet zones. The governor, or designee, of each state had the option to apply for up to 2.4 megahertz of spectrum, all narrowband channels, of the 700 MHz band Public Safety spectrum. The application deadline was December 31, 2001. Whatever spectrum was not applied for by this deadline, reverted to General Use Public Safety Spectrum and will be administered by the Regional Planning Committee, or RPC. All states, and the District of Columbia, were granted licenses on January 18, 2002.

The FCC established certain construction and operation requirements to ensure efficient use of the spectrum, including the provision of service to rural and remote areas. The initial construction/operation benchmark was set at 5 years. However, because broadcasters are not required to complete relocations until December 31, 2006, the starting date for calculating the 5-year benchmark is January 1, 2007. As a practical matter, this means that each state license will be granted subject to the condition that the state is providing, or preparing to provide, substantial service to one-third of their population or territory by January 1, 2012 and to two-thirds by January 1, 2017.

States may begin using the state license spectrum when:

- Full power TV or DTV stations vacate the 700 MHz spectrum, and
- Project 25 Phase 1 equipment is available for purchase, and
- The following general operating and technical requirements are met:
    - Coordinating transmitting sites near the U.S./Canada border, and
    - Compliance in quiet zones, and
    - Registration of antenna structures with the FAA and FCC as required under Part 17 of the Commission's Rules.

For further information about the State license, see the Commission's Rules, refer to Appendix K.

Reserved Spectrum - Frequency use in this category will be recommended by the Region 19 Regional Planning Committee if and when the FCC allocates spectrum.

General Use Spectrum - Frequency use in this category will be recommended by the Region 19 Regional Planning Committee.

All agencies requesting spectrum during the initial filing window will be allotted channels if all plan requirements are met. Allotments given in the first window period will be made in multiples of 6.25 KHz units to allow for implementation of various technologies. Technologies requiring 25 KHz will be allotted four 6.25 KHz units. Requests for voice/data channels will be allocated on the basis of two 6.25 KHz units to accommodate one 12.5 KHz channel per voice channel. For narrowband mobile data requests, one mobile data channel will consist of two (2) 6.25 KHz units to accommodate one 12.5 KHz channel. Allotments given after January 1, 2007 will be made in 6.25 KHz units. Applicants should acknowledge their migration path to 6.25 KHz to the Regional Planning Committee when applying for channels in Region 19.

The RPC may request additional information from the requesting agency. This information will aid in the validation of actual spectrum need and help to insure that no requests are duplicated when

requests involve multi-agency systems. Small agencies are encouraged to join multi-agency systems, when possible.

REGION 19 REGIONAL PLANNING COMMITTEE PROCEDURES:

To ensure that all eligible agencies have an equal opportunity to apply for the limited 764-776 MHz and 794-806 MHz spectrum approved by the Federal Communications Commission, the Region 19 Regional Planning Committee will accept applications from eligible entities during two application windows per year. The applications windows are established as May 1 of each calendar year through October 31 of that same year, and November 1 of each calendar year through April 30 of the following year.

The application must contain all information requested and postmarked no later than these dates before being accepted for review by the Committee.

Applications received by November 1, will be reviewed at the Committee's December meeting and voted on at the following March meeting.

Applications received by May 1, will be reviewed at the Committee's June meeting and voted on at the following September meeting.

Mail the completed applications and 20 additional copies to:

Mr. George Pohorilak - Chairman
New England Region 700 MHz Regional Planning Committee
FCC Region 19
P.O. Box 2794
1111 Country Club Road
Middletown, CT 06457-9294

APPLICATION PROCEDURES OVERVIEW

The Committee evaluates and scores each application and compiles a prioritized list of the approved entities and the number of channels they are eligible to receive. The number may be less than the number requested. Channel allocations are approved after analysis by a committee-approved computer engineering program which tests all possible configurations of channels by considering the proposed service area, topography, and the technical parameters and frequency compatibility of existing (incumbent) and proposed systems. (The committee may approve the use of the Computer Aided Pre-Coordination Resource And Database (CAPRAD) system developed and administered by the National Law Enforcement and Corrections Technology Center-Rocky Mountain Region, Denver, CO. This database is designed to facilitate inter-regional coordination of frequencies, provide search and report generating tools, and create a direct interface link to the FCC's Universal Licensing System.)

(The technical parameters and compatibility criteria tested shall be based on those parameters

described in TIA Telecommunications Systems Bulletin TSB88B – latest published version, " Wireless Communications Systems - Performance in Noise and Interference-Limited Situations Recommended Methods for Technology-Independent Modeling, Simulation, and Verification." This document seeks to provide guidance to spectrum managers, system designers and system maintainers for a standardized approach to proof-of-performance and acceptance testing of public safety systems.) The analysis process will produce a list of available channels which may or may not be sufficient to meet the requirements of all applicants. It is possible that an applicant low on the priority list will receive an assignment of channels while none is available for an applicant with a higher priority.

TECHNICAL EVALUATION APPROVAL PROCEDURES

All applications or planned use of Region 19 700 MHz spectrum must undergo a technical evaluation examining the proposed use of 700 MHz channels.

Spectrum Allocation Matrix - See Section 10, Scoring Matrix and Worksheet.

Technical Requirements

Spectrum Utilization

The Region 19 Planning committee will adhere to the National Public Safety Telecommunications Council's (NPSTC) 700 MHz General Use Channel sort as shown on the CAPRAD database for narrowband General Use Channels (See Appendix L). Region 19 will participate in the CAPRAD database and keep the Regional Plan and current frequency allotment/allocation information on the database.

The Region 19 Planning Committee has the ability to accept recommendations from the committee and, if approved, the authority to change the original frequency allotment. In order to keep the most effective frequency allotments within Region 19, a quarterly review of the allotments will be made at the scheduled meetings by the full committee and recommended changes to the plan will be voted on. The majority of members in attendance at a meeting of the full Regional Planning Committee must approve any changes to the Regional allotments.

If at any time a system is allocated channels within Region 19 and the system cannot be developed within the agreed upon guidelines (slow growth), the channels will be returned to the county pool allotments they originated from and again be available to other agencies in the county. If plan modifications are approved, the Chairperson will, if necessary, obtain adjacent Region approval and file a plan amendment indicating the approved changes with the Federal Communications Commission.

In this plan, the 700 MHz committee is striving to utilize the spectrum as efficiently as possible. The total request for general pool voice and narrowband data totals 1,232 channels. Allotments will be made on the basis of one 6.25 channel for each voice channel. For each narrowband data channel (request of less than 19.2 kbps) the allocation of two 6.25 KHz units will be made to accommodate 12.5 kHz of spectrum. This conforms to the FCC intent to recommend use of

technology that yields one voice path for each 6.25 kHz of spectrum.

Procedure for Frequency Coordination

Assignments will be based on a defined service area of each applicant. This will normally be an area defined by geographical or political boundaries such as city, county or by a data file consisting of line segments creating a polygon that encloses the defined area. The service contour is normally allowed to extend slightly beyond the geo/political boundaries such that systems can be designed for maximum signal levels within the boundaries, or coverage area. Systems must also be designed to minimize signal levels outside their geo/political boundaries to avoid interference into the coverage area of other co-channel users.

For co-channel assignments, the 40dBμ service contour will be allowed to extend beyond the defined service area by 3 to 5 miles, depending on the type of environment: urban, suburban or rural. The co-channel 5 dBμ interfering contour will be allowed to touch but not overlap the 40 dBμ service contour of the system being evaluated. All contours are (50,50).

For adjacent and alternate channels, the 65dBμ interfering contour will be allowed to touch but not overlap the 40 dBμ service contour of the system being evaluated. All contours are (50,50).

Applicants must provide data showing that practical field tests have been conducted. An overall system diagram showing the latitude, longitude and elevation (meters) of the site(s), power out, ERP, and antenna height must be provided. In addition, the applicant must provide antenna specifications for each site(s).

Due to the existing TV assignments and HDTV assignments, most of Region 19 cannot use this spectrum until the HDTV implementation is completed. Given this date uncertainty, this plan does not limit an agency from initially planning/implementing a system (if it conforms to FCC rules).

Low Power Assignments

Channel assignments for low power portables shall have a maximum ERP of 2W. Low power mobiles shall be required to operate with an ERP of 2W with an antenna not to exceed seven meters from the ground elevation. An applicant may request, under special circumstances, an ERP of 5W for a mobile unit with the identified antenna restriction of seven meters.

Wideband Data

TIA has developed a wideband data interoperability standard based on 50 KHz channel bandwidth. The RPC shall also consider applications for aggregation of data channels up to 150 kHz. Each county within Region 19 shall be allotted, at a minimum, 150 kHz of contiguous bandwidth. If one entity exhausts the spectrum resources within the county, it shall provide facility access for throughput. In such situations, each agency shall internally negotiate costs without mediation by the Regional Planning Committee. The final implementation budget, as well as the abridged loading figures, shall be forwarded to Region 19 prior to adding the new users.

The ranking criteria for each allocated 50 KHz General Use Wideband Data Channel in Region

19 will be developed in accordance with NCC Implementation Subcommittee Guidelines. Applicants will be required to provide the Regional Planning Committee with their identified wideband needs and requirements so the region can determine the number of wideband data channels needed.

REGION 19 REGIONAL PLANNING COMMITTEE SCORING PROCEDURES

Refer to Scoring Matrix and Matrix Worksheet located in Section 10.

REGION 19 700 MHz RPC APPLICATION PROCEDURES

To ensure that all eligible agencies have an equal opportunity to apply for the limited 764-776 MHz and 794-806 MHz spectrum approved by the Federal Communications Commission, the Region 19 Regional Planning Committee will accept applications from eligible entities during two application windows per year. The applications windows are established as May 1 of each calendar year through October 31 of that same year, and November 1 of each calendar year through April 30 of the following year.

Application procedures for Region 19 comprise of the following steps:

1. Eligible Entity Submits Request for Channel Assignment. Eligible entity presents detailed application and request for channel assignment, in writing, to RPC. Proposals will be considered for State Frequencies, General Use Frequencies, or Interoperability Channels.

Each application must, as a minimum, contain:

- Specific Frequency Details
- Justification – must show ALL intended system uses
- List of 6.25 KHz channels by number and frequency
- Channel Bandwidth - showing each grouping of 6.25 KHz channels (See Appendix L)
- Technical Parameters
- Channel Loading and Use
- Area of Operation Map Detail
- Specific System Design Details
- Existing Allocations of Frequencies in all bands
- Functional Block Diagram of proposed system
- Preliminary Coverage and Interference Analysis
- Frequency givebacks (if applicable)
- An Interference Prediction Map using latest version of TIA/EIA TSB88 Guidelines
- Details of Interference Predictions and Protection

Applications must be submitted with a cover letter on official agency/organization letter head and signed by the chief elected official of the municipality (if a town-wide system) or the head of the organization requesting the frequencies if it is a single agency application.

Applications submitted without official cover letters will be rejected.

Each Applicant may also be required to:
- Present further details, or documentation, as requested by the RPC.
- Give formal presentation of application to the RPC.
- Be present, or have a representative present, during initial application review of the proposal and, if necessary, subsequent reviews by the Regional Planning Committee.

2. Planning Committee Reviews Proposal. The RPC begins review of application and proposal material.

3. RPC Resolves Proposal Conflicts or Errors and Recommends Frequency Channel Assignments. Intra-regional disputes resolved.

4. Regional Planning Committee Scores Application.

5. Entity Submits Application to Frequency Coordinator. The RPC reviews the application summary for accuracy and pre-coordination of frequencies and then forwards the application to the coordinator. The coordinator reviews current allotments and eligibility and resolves potential conflicts or issues.

6. Frequency Coordinator Resolves Application Conflicts.

7. Coordination with Adjacent Regions and Countries:
The regions adjacent to Region 19 are:
- Region 8: Southern New York and New Jersey
- Region 30: Northern New York – Albany, except area of Southern New York (Region 8) and New York – Buffalo (Region 55).

Refer to Appendix E for listing of Region states and counties. See Appendix N for Inter-Regional Dispute Resolution Agreement.

Canada is adjacent to Region 19. Refer to Section 9 for coordination procedures.

8. Coordinator Forwards Application to FCC.
The RPC performs database update.

9. FCC Issues License to Entity.

NEW ENGLAND REGION 19
REGIONAL INTEROPERABILITY (I/O) CHANNEL USAGE

The narrowband voice and data interoperability channels (sixty-four at 6.25 kHz bandwidth) are defined on a nationwide basis. Appendix A shows the designation of these channels as defined by the 700 MHz National Coordination Committee (NCC). Since they are nationwide channels, each channel must have the same usage within each region and across regional borders. They have been sub-divided into different service categories.

The current proposal, adopted by the NCC, is to use the ANSI/TIA 102 Standards (i.e., Project 25 digital protocols) as the Digital Interoperability Standard for the conventional-only mode of operation on the narrowband voice and data interoperability channels. There are two Calling channel sets and 30 Tactical channel sets. Channel Sets are comprised of two 6.25 kHz channels each. The Tactical channel sets are subdivided into the following categories:

- 4 for Emergency Medical Services,
- 4 for Fire Services,
- 4 for Law Enforcement Services,
- 2 for Mobile Repeater operation,
- 2 for Other Public Services,
- 12 for Public Safety General Services.
- 2 for Data.

Calling Channels

Because the 700 MHz band will be initially encumbered by broadcast television, two of the interoperability channels sets are reserved as "Calling Channels". Member states, that have interoperability systems, will define when and where the two calling channels are to be used. These calling channels, which appear in the Table of Interoperability Channels (Appendix A) as “7CALLA” and “7CALLB” must be monitored, as appropriate, by licensees who employ interoperability infrastructure in the associated channel group. When calling channels are integrated into infrastructure, their coverage must at least match the coverage of the other interoperability channels in the system. In addition to the usual calling channel functions, the calling channels may to be used to notify users when a priority is declared on one or more of the tactical interoperability channels

Tactical Channels

Tactical channel users will contact a dispatch center on one of the "Calling Channels" and be assigned an available tactical channel. Deployable narrowband operations (voice, data, trunking) shall be afforded access to the same pool of channels used for similar fixed infrastructure operations. In the event of conflict between multiple activities, prioritized use shall occur.

Encryption
Use of encryption is prohibited on calling channels and permitted on all other interoperability channels. A standardized encryption algorithm for use on the interoperability channels must be TIA/EIA IS AAAAA Project 25 DES encryption protocol.

Deployable Systems
General Public Safety Services Channels labeled 7TAC01 through 7TAC07, 7TAC15 through 7TAC21, or both, shall be made available for "deployable" equipment used during disasters and other emergency events that place a heavy, unplanned burden upon in-place radio systems. States (or Regional Planning Committees) shall consider the need for both "deployable trunked" and "deployable conventional" systems and make those channels available to all entities in their State/region.

This Plan strongly supports use of deployable systems, both conventional and trunked. Deployable systems are prepackaged systems that can deploy by ground or air to an incident to provide additional coverage and capacity on interoperability channels. This will minimize the expense of installing extensive fixed infrastructure and recognizes the difficulty of providing complete coverage of the region due to environmental constraints.

Agencies must have conventional deployable systems capable of being tuned to any of the operability tactical channels. Those agencies that are part of a multi-agency trunk system and commonly provide mutual aid to each other are encouraged to have trunked, deployable systems that operate on the tactical channels designated by the FCC for this use. The SIECs will develop the operational details for deploying these systems.

It is expected that the tactical channels set aside for trunked operation will be heavily used by deployable systems. Therefore, the tactical channels cannot be assigned to augment general use trunked systems.

Trunking on the Interoperability Channels
Trunking the Interoperability channels on a secondary basis shall be limited to operation on eight specific 12.5 kHz channel sets, divided into two subsets of four 12.5 kHz channels. One subset is defined by 7TAC01 through 7TAC07 and the other by 7TAC15 through 7TAC21.

Any licensee implementing base station operation in a trunking mode on Interoperability Channels shall provide and maintain on a continuous (24 hr x 7 day) basis at its primary dispatch facility the capability to easily remove one or more of these interoperability channels, up to the maximum number of such trunking channels implemented, from trunking operation when a conventional access priority that is equal to or higher than their current priority is implemented. Use of the interoperability channels for day-to-day operations is not allowed. The RPC limits the number of Interoperability channels that may be integrated into any single trunked system.

For systems having 10 or fewer "general use" voice paths allocated, one (1) trunked Interoperability Channel set is permitted. For systems having more than 10 "general use" voice paths allocated, two (2) trunked Interoperability Channel sets are permitted. States (or Regional Planning Committees) may consider allotting additional Interoperability Channel set(s) for

trunked systems having more than 20 "general use" voice paths allocated upon a showing of need and upon a determination that assignment of the Interoperability Channel set(s) will not adversely impact availability of those channels to other trunked and/or conventional radio systems in the area (e.g. a single consolidated trunked system servicing all public safety agencies in an area might satisfy this criterion). The maximum number of Interoperability channel sets for trunked systems permitted for use by an individual licensee is four.

The channels (two 6.25 kHz pairs) in Reserve Spectrum immediately adjacent to the 7TAC channels where secondary trunking is permitted [(21, 22), (101, 102)], etc. are available for secondary trunking, but only in conjunction with the adjacent Interoperability 12.5 kHz channel pair in a trunked system and will be administered by the State (or RPC). If the RPC permits 25 kHz trunking on interoperability channels, these Reserve Spectrum guard channels become part of those trunking channels.

Standard Operating Procedures on the Trunked I/O Channels For I/O Situations Above Level 4

The safety and security of life and property determines appropriate interoperable priorities of access and/or reverting from secondary trunked to conventional operation. In the event secondary trunked access conflicts with conventional access for the same priority, conventional access shall take precedence. Access priority for “mission critical” communications is recommended as follows:

1. Disaster and extreme emergency operations for mutual aid and interagency communications;
2. Emergency or urgent operation involving imminent danger to life or property;
3. Special event control, generally of a preplanned nature (including Task Force operations);
4. Single agency secondary communications. [Priority 4 is the default priority when no higher priority has been declared.]

For those systems employing I/O channels in the trunked mode, the SIECs (or RPC) must set up interoperability talk groups and priority levels for those talk groups so that it is easy for dispatch to determine whether the trunked I/O conversation in progress has priority over the requested conventional I/O use. SIECs (or RPCs) must also determine whether a wide-area I/O conversation has priority over a local I/O conversation.

Standard Nomenclature

Standard nomenclature will be used so that all 700 MHz public safety subscriber equipment using an alphanumeric display only be permitted to show the recommended label from the Table in Appendix A when the radio is programmed to operate on the associated 700 MHz channel set. The Table shows the recommended label for equipment operating in the mobile relay (repeater) mode. When operating in direct (simplex) mode, the letter “D” appended to the end of the label is recommended.

Data Only Use of the I/O Channels

Narrowband data-only interoperability operation on the Interoperability channels on a secondary basis shall be limited to two specific 12.5 kHz channel sets. One set is defined by 7DTAC13 and the other by 7DTAC51.

Wideband Data Standards

Within the 12 MHz of spectrum designated for high capacity, wide bandwidth (50 to 150 kHz) channel usage, there are eighteen 50 kHz (or six 150 kHz) channels designated for wideband interoperability use. Region 19 is prepared to implement wideband data standards as developed and promulgated by the Federal Communications Commission.

NEW ENGLAND REGION 19
ADDITIONAL SPECTRUM SET ASIDE FOR INTEROPERABILITY WITHIN THE REGION

Region 19 shall have the ability to assign additional spectrum for Interoperability. The spectrum will only be available for use within Region 19. Region 19 will designate which channels will be used out of the General Use spectrum and will update the NLECTC database. Region 19 will justify the assignment of this additional spectrum and include operational guidelines as well as user criteria with eligibility requirements. If Region 19 assigns additional spectrum for interoperability, concurrence from adjoining regions will be requested.

State Interoperability Executive Committees

State Interoperability Executive Committees (SIEC) will administer State Interoperability Plans in each of the member states. These plans include, but are not limited to, interoperability operations on the 700 MHz interoperability channels. These committees should include an equal number of representatives each providing regional representation from state, county/parish (where applicable), and local governments, with additional representation from special districts and federal agencies, as appropriate. Such committees may represent all disciplines, in which case emergency medical, fire, forestry, general government, law enforcement, and transportation agencies from each level of government shall be represented equally. Alternatively, Committees may represent a single discipline in which case it is only necessary to have membership from the different levels of government previously described.

The states within Region 19 will use the Incident Command System (ICS) as a guideline in developing their regional interoperability plans. The individual States will hold licenses on interoperability channels for all infrastructure and subscriber units within their state. The States will have oversight of the administration and technical parameters of the infrastructure for the interoperability channels within their state (or region).

Templates for a *Memorandum of Understanding for Operating the 700 MHz Interoperability Channels* and a *Sharing Agreement* are located in Appendices B and C respectively. The MOU shall be typed on appropriate committee letterhead and the Sharing Agreement on agency letterhead. (See Appendices B & C)

Minimum Channel Quantity

The minimum channel quantity for Calling and tactical channel sets requires 8 I/O channel slots in each subscriber unit. Including Direct (simplex) mode on these channel sets, up to 16 slots in each radio will be programmed for I/O purposes. Backbone issues are deferred to the SIECs and/or RPCs. Subscriber units, which routinely roam through more than one jurisdiction up to nationwide travel will require more than the minimum channel quantity.

The "CALL"ing channel sets (7CALLA and 7CALLB) shall be implemented in all voice subscriber units in repeat-mode and direct (simplex) mode. "Direct" mode is permitted in the absence of repeat operation or upon prior dispatch center coordination. If the local CALLing

channel set is not known, 7CALLA shall be attempted first, then 7CALLB. Attempts shall be made on the repeater mode first then on the direct (simplex) mode. A minimum set of TACtical channels shall be implemented in every voice subscriber unit in the direct (simplex) mode. Specific channel sets are shown below:

- 7TAC11 & 7TAC49 channel sets
- 7TAC09 & 7TAC47 channel sets
- 7TAC29 & 7TAC59 channel sets

Direct (Simplex) Mode

In direct (simplex) mode, transmitting and receiving on the output (transmit) side of the repeater pair for subscriber unit-to-subscriber unit communications at the scene does not congest the repeater station with unnecessary traffic. However, should someone need the repeater to communicate with the party who is in "direct" mode, the party would hear the repeated message, switch back to the repeater channel, and join the communications. Therefore, operating in direct (simplex) mode shall only be permitted on the repeater output side of the voice I/O channel sets.

Common Channel Access Parameters

Common channel access parameters for all voice I/O shall utilize the default values (ANSI/TIA/EIA-102,BAAC-2000, approved April 25, 2000) provided in every radio regardless of manufacturer. Any common channel access parameters not provided shall be programmed accordingly. These parameters include the following:

- P25 Network Access Code - $293 (default value)
- P25 Manufacturers ID - $00 (default value)
- P25 Designation ID - $FFFFFF (designates everyone)
- P25 Talkgroup ID - $0001 (default value)
- P25 Message Indicator $000000… 0, out to 24 zeros (unencrypted)
- P25 Key ID - $0000 (default value)
- P25 Algorithm ID - $80 (unencrypted)

Any deviation from P25 Network Access Code - $293 (default value) will not be permitted unless the SIEC (or the RPC) can demonstrate in a Plan amendment through the FCC-approved process that the intent of P25 Network Access Code - $293 (default value) will be preserved on ALL conventional voice I/O channels – transmit and receive.

NEW ENGLAND REGION 19
ALLOCATION OF "GENERAL USE" SPECTRUM

Region 19 uses the following pre-planning methods to avoid problems with adjacent Region coordination.

1. Region 19 will use the NPSTC-CAPRAD pre-designated initial allotments.
2. Applications within the Region will be handled on a first-come, first-served basis.
3. Region 19 will attempt to satisfy applicants with the 821 MHz pool. If 821 MHz spectrum is not available, 700 MHz spectrum will be allocated.

When allocating 700 MHz channels near the Region borders, multiples of 6.25 KHz units will be used to distribute spectrum. The use of 6.25 kHz units will allow for 12.5 and 25 KHz based technology and will allow for technology-neutral pre-planning.

If, after five years, the county or city/town has not built out a system at 700 MHz, its allotted frequencies will be placed back into the Region's 'general use' pool and be available to any applicant on a first-come, first-served basis.

Procedures for use near the Canadian border follow 47 CFR, Part 9, Subpart R - Regulations Governing the Licensing and Use of Frequencies in the 764-776 & 794-806 MHz Bands as excerpted below.

§ 90.533 Transmitting sites near the U.S./Canada or U.S./Mexico border.

This section applies to each license to operate one or more public safety transmitters in the 764–776 MHz and 794–806 MHz bands, at a location or locations North of Line A (see § 90.7) or within 120 kilometers (75 miles) of the U.S.-Mexico border, until such time as agreements between the government of the United States and the government of Canada or the government of the United States and the government of Mexico, as applicable, become effective governing border area non-broadcast use of these bands. Public safety licenses are granted subject to the following conditions:

(a) Operation of public safety transmitters must not cause harmful interference to the reception of television broadcasts transmitted by UHF TV broadcast stations located in Canada or Mexico. In addition, public safety base, control, and mobile transmitters must comply with the interference protection criteria in § 90.545 for TV/DTV stations in Canada and Mexico.

(b) Public safety facilities must accept any interference that may be caused by operations of UHF television broadcast transmitters in Canada and Mexico.

(c) Conditions may be added during the term of the license, if required by the terms of international agreements between the government of the United States and the government of Canada or the government of the United States and the government of

Mexico, as applicable, regarding non-broadcast use of the 764–776 MHz and 794–806 MHz bands.

The NLECTC database and application flowchart must be used (see Section 7). The RPC and the frequency coordinators are responsible for ensuring that the information contained in the NLECTC database is updated when licenses are granted or canceled and/or allotments changed.

Low Power Secondary Operations

To facilitate portable operation by any licensee, and to provide channels for such operation without impacting the use of primary channels, certain low power secondary use will be permitted. Any public safety entity otherwise licensed to use one or more channels may receive authorization to license an additional channel for secondary use, subject to the following criteria:

- All operation of units on such authorized channels will be considered secondary to other licensees on both co-channel and adjacent channels.
- No channels on, or adjacent to, those designated in the Plan for wide area operation and/or mutual aid use will be authorized.
- Channels will be authorized for use in specific areas only; such areas to be within the licensees authorized operational area.
- Maximum power will be limited to 6 watts ERP.
- Use aboard aircraft is prohibited.
- Applications for channels may be submitted to the RPC for consideration at any time and must be accompanied by a showing of need. The RPC may select and authorize licensing of these secondary use channels after consideration of potential interference to co-channel and adjacent channel allotments, allocations and licensees. Authorization may be granted for use of any suitable channel, without prior allotment or allocation to the requesting agency.
- In the event the channels authorized for low power secondary operation are needed by others during any window opening for reassignment, no protection will be afforded to the licensed secondary user, and they may be required to change frequencies or surrender licenses to prevent interference to primary use channels.

Low Power Channels

The FCC in the 700 MHz band plan set aside channels 1 – 8 paired with 961 – 968 and 949 – 958 paired with 1909 – 1918 for low power use for on-scene incident response purposes using mobiles and portables subject to Commission-approved regional planning committee regional plans. Transmitter power must not exceed 2 watts (ERP).

Channels 9 – 12 paired with 969 – 972 and 959 – 960 paired with 1919 – 1920 are licensed nationwide for itinerant operation. Transmitter power must not exceed 2 watts (ERP).

These channels may operate using analog operation. To facilitate analog modulation, this plan will allow aggregation of two channels for 12.5 kHz bandwidth. On scene temporary base and mobile relay stations are allowed (to the extent FCC rules allow) with an antenna height limit of 6.1-meter (20 feet) above the ground. However, users are encouraged to operate in simplex mode whenever possible. This plan does not limit use to only analog operations; these channels are intended for use in a wide variety of applications that may require digital modulation types.

In its dialog leading up to CFR 90.531 allocating the twenty-four low power 6.25 kHz frequency pairs (of which eighteen fall under RPC jurisdiction), the FCC suggested that there is a potential for multiple low power applications, and absent a compelling showing, a sharing approach be employed rather than making exclusive assignments for each specific application because low power operations can co-exist [in relatively close proximity] on the same frequencies with minimal potential for interference due to the 2 watt power restrictions.

The following assignments associated with the eighteen narrowband channels are to be used:

- Channel numbers 1 – 4 and 949 – 952 are set aside as *generic base* channels for use by public safety agencies operating within Region 19, and the complementary channel #'s 961 – 964 and 1909 – 1912 are set aside as *generic mobile* channels also for use by public safety agencies likewise operating within Region 19.
- Channel numbers 5 – 8 are designated as *Fire Protection base* channels for licensing and exclusive use by the Fire Protection discipline, and the complementary channel #'s 965 – 968 are set aside as *Fire Protection mobile* channels also for licensing and exclusive use by the Fire Protection discipline.
- Channel numbers 953 – 956 are set aside as *Law Enforcement base* channels for licensing and exclusive use by the Law Enforcement discipline, and the complementary channel #'s 1913 – 1916 are set aside as *Law Enforcement mobile* channels also for licensing and exclusive use by the Law Enforcement discipline.
- Channel numbers 957 – 958 are set aside as *Fire Protection/Law Enforcement base* channels for licensing and use by the Fire Protection and Law Enforcement disciplines, and the complementary channel #'s 1917 – 1918 are set aside as *Fire Protection/Law Enforcement*.

Simplex operations may occur on either the base or mobile channels. Users are cautioned to coordinate on scene use among all agencies involved. Users should license multiple channels and be prepared to operate on alternate channels at any given operational area.

System Implementation

Most areas in New England will be precluded from immediately implementing systems due to protection requirements of existing television stations. These stations may not move until year 2006, or after, depending on the 85% market penetration of digital TV implementation.

Therefore this plan will not require agencies to implement systems using the 700 MHz spectrum allocated to them until TV station(s) requiring protection relocate to another TV channel. After that date, agencies must release a System RFP within one year and sign a contract with a vendor within one year of releasing the System RFP. For the New England States, implementation of general use channels shall be governed by FCC rule 90.529 (b) and (c). (Refer to Appendix L.)

If an agency does not implement in the time frames specified, that agency's allotment may be removed from the allotment list. An Agency may file a request with the Region Chair for an extension of time to implement. The request should include all details describing why the agency has not implemented and a new implementation schedule. The Committee Chair will advertise this request and set a date for the full committee to vote on the request.

NEW ENGLAND - REGION 19
SCORING MATRIX - WORKSHEET

SCORING MATRIX

In order to evaluate competing applications within the Region, applications will be scored utilizing the following criteria:

- service,
- inter-systems communications,
- loading,
- spectrum efficient technology,
- systems implementation factors,
- geographic efficiency, and
- givebacks.

Point values for each criteria have been established and are listed below. For each window period, applications will be scored and listed in order of points awarded. Spectrum allocations will be awarded based upon the priority listing resulting from the award of points. In the event of a tie score, the date of receipt of the application will serve as the tiebreaker.

1. Service (Maximum Score - 720 Points)

The point value for the service category is determined by allocation of points as determined by the scoring for the particular service as listed in Table 1.1. For those multiple agency combinations, the awarded points are a function of the combined points for the respective services. Combined agency systems will be scored with the combined points of the two highest point valued agency scores. A multiple agency system with more than two agencies will benefit from the combination of points. A multiple agency system with more that two agencies will not receive an excessive point value under this approach, thereby minimizing any potential for token agency participation for the purpose of raising the point value. Assuming a hypothetical system of a combined police and fire (each agency categorized as A or 360 points each), the maximum points awarded would be 720 (360 + 360). A multiple agency system with combinations of lower point values would not be able to be scored higher than that single agency public safety system. The combination of D+C- or C-+ C, or D+C would only be, at the highest combination, 180 points (C- + C), which would be less than a B or A- or A single agency system. (See attached point combinations - Table 1.2)

Organizations are categorized by a letter value that equates to points. The letter value point scores are as follows:

A = 360 points
A- = 300 points
B = 240 points
B- = 180 points
C = 120 points
C- = 60 points
D = 30 points

2. Intersystem Communications (Maximum score - 100 points)

Scoring for this section is based upon the degree of interoperability between government hierarchy levels and emergency services during times of an emergency. Applicants will be awarded points for the degree of interoperability demonstrated. Applicants shall indicate how the proposed system will achieve interoperability; specific information regarding the technology or method used must be submitted.

- Proposed systems providing for state, federal and local interoperability will be awarded 100 points;
- Proposed systems providing for state and local interoperability will be awarded 75 points;
- Proposed systems providing for only local interoperability will be awarded 50 points;
- Systems with no proposed interoperability will not receive any points in this category.

3. Loading (Maximum score - 150 points)

Is the system part of a cooperative, multi-organization system? Is the application an expansion of an existing 700, 806 and/or 821MHz system? Have all 806 and/or 821 channels been assigned (where technically feasible)? A showing of maximum efficiency or a demonstration of the system's mobile usage pattern will be required in addition to loading information. Additional factors to be considered are population, number of units, number of talk groups. Points are awarded in this category based upon the following criteria:

- For a statewide system, 150 points;
- For a multi-town system, 100 points;
- For a multi-agency system (single town), 50 points;
- For an all governmental agencies in a single jurisdiction, 125 points;
- For a cooperative system with less than all services, 25 points.

4. Spectrum Efficient Technology (Maximum score - 350 points)

How spectrally efficient is the system's technology? For voice systems the following criteria will be used. Trunked systems are considered efficient as are any technological systems feature which is designed to enhance the efficiency of the system and provide for the efficient use of the spectrum. Points are awarded in this category based upon the following criteria:

- For a trunked system, 150 points;
- For a non-trunked system, no points will be awarded;
- For a system utilizing 6.25kHz spacing, 100 points will be awarded;
- For a system utilizing 12.5kHz spacing, 50 points will be awarded;
- For a system utilizing 25kHz spacing, 0 points will be awarded;
- For a digital system, 50 points will be awarded;
- For an analog system, 0 points will be awarded;
- For a system with a low ERP (less than 200 watts), 50 points will be awarded;
- For a system with a high ERP (greater than 200 watts), no points will be awarded.

For data only systems the following criteria will be used;

- For 50 kHz systems, 200 points will be awarded;
- For 100 kHz systems, 100 points will be awarded;
- For 150 kHz systems, 50 points will be awarded;

- For digital systems, 50 points will be awarded;
- For data analog systems, 0 points will be awarded.

5. Systems Implementation Factors (Maximum score 100 points)

Scoring for this section is based upon funding and system planning. Applicants must provide complete engineering design and a construction/implementation schedule. If the proposed system is intended to be implemented under a slow growth (within the next five years), plan a statement to that effect must be included. If slow growth is not sought, a time table must be included that clearly defines the implementation schedule. The Chief Elected Official or the Chief Executive Officer of the organization submitting the application must submit funding documentation. The funding documentation must clearly state the funding source and must match the implementation schedule. Points in this category are awarded as follows:

- For a complete engineering design, 25 points;
- For an incomplete or no engineering design, minus 25 points;
- For a valid budget commitment, 25 points;
- For no budget commitment minus, 25 points;
- For proof of site acquisition or proof of existing site ownership, 25 points;
- For no site acquisition, minus 25 points;
- For signed CEO letter, 25 points;
- For failure to submit 20 copies, minus 25 points.

6. Geographic Efficient (Maximum Score - 100 points)

Scoring for this section is based upon the ratio of subscriber units (mobiles) to area covered and the channel reuse potential. The higher the ratio (mobiles divided by square miles of coverage), the more efficient the use of the frequencies. Those systems which cover large geographic areas will have a greater potential for channel reuse and will therefore receive a higher score in this subcategory. Points awarded in this category are as follows:

- For a statewide system, 100 points;
- For a county or regional system, 75 points;
- For a city/town system, 50 points;
- For a partial town/city system, minus 50 points.

7. Givebacks (Maximum score - 200 points)

Consider the number of channels given back, frequency band and bandwidth. Consider the extent of availability and usability of those channels to others. Points awarded in this category are awarded as follows:

- For low band givebacks, 50 points;
- For high band givebacks, 100 points;
- For UHF givebacks, 200 points;
- For 800Mhz givebacks, 200 points;
- For no give backs, minus 50 points;
- For long term give backs, minus 25 points.

In no case shall the total exceed the maximum value for this category. In the event the point combinations for givebacks exceed 200 points, only the maximum value of 200 will be assigned.

Point Summary

1.	Service	(Maximum score, 720 points)
2.	Intersystem Communications	(Maximum score, 100 points)
3.	Loading	(Maximum score, 150 points)
4.	Spectrum Efficient Technology	(Maximum score, 350 points)
5.	Systems Implementation Factors	(Maximum score, 100 points)
6.	Geographic Efficient	(Maximum score, 100 points)
7.	Givebacks	(Maximum score, 200 points)
Total Possible Points - Sum of All Categories		1,720 points

TABLE 1.1 - SERVICE CATEGORY CODES

Service	Code
Police	A
Auxiliary Police	A
Fire	A
Municipal Emergency Medical	A
Volunteer Rescue	A
Ambulance Service - Public Safety	A
Highway	A-
Forest Fire	A-
All Government	B
Security Patrol	B
Emergency Management	B
Conservation	B
Hospital	B
Disaster Relief Organizations	B
Transit Systems	B-
All Medical Services	B-
Utility Boards	C
School Boards	C
Invalid Coach	C
Physically Disabled	C
School Buses	C
Private	C
Public	C
OEM Evacuation Transit	C
Beach Patrol	C
Communications Standby Fac.	C
Repair of Communications	C
Maintenance	C-
Physicians	C-
Veterinarians	C-
Non-Governmental	D

TABLE 1.2
SCORING POINT VALUES

Multiple Agency Combinations	Maximum Points
A+A	720
A+A-	660
A+B	600
A+B-	540
A+C	480
A+C-	420
A+D	390
A- + A-	600
A- +B	540
A- +B-	480
A- +C	420
A- +C-	360
A- +D	330
B+B	600
B+B-	420
B+C	360
B+C-	300
B+D	270
B- + B-	360
B- + C	300
B- + C-	240
B- + D	240
C+C	180
C+C-	150
D+D	60

NEW ENGLAND REGION 19
COORDINATION WITH ADJACENT REGIONS

New England Region 19 will contact the chairs of the adjacent Regions to determine the status of their respective plans. Prior to submission to the Federal Communications Commission, Region 19 will obtain adjacent region concurrences.

Regions adjacent to Region 19 are Regions 8 and 30. Region 8 is comprised of Metropolitan New York and Region 30 is comprised of the majority of New York State. The contacts for these regions are:

Region 8, Metropolitan New York
Peter W. Meade, Assistant Fire Marshall
Fire and Rescue Services
Nassau County Fire Commission
140 15th Street
Mineola, NY 11501
Phone: (516) 571-6400
Fax: (516) 571-6407
Email: NCFCFC1@aol.com

Region 30, New York State, northern and western counties
David Cook
New York State, Office of Technology
State Capitol, ESP
P.O. Box 2062
Albany, NY 12220-0062
Phone: (518) 443-2045
Fax: (408) 580-8496, or
(518) 443-2787
Email: david.cook@oft.state.ny.us

Counties or other geographic subdivisions within 70 miles of the Regional border must share spectrum with the adjacent Region(s). The appropriate ratio of channels shall be allotted to counties/areas in adjacent Regions based upon each county's needs. Up until 2007, the Region 19 Committee will use multiples of 6.25 KHz building blocks to conform with the national approach. After 2007, the Region 19 Committee will utilize a 6.25 KHz building block. To allocate 700 MHz channels near the Region borders, a 6.25 kHz building block will be used to distribute spectrum. Multiple blocks of 6.25 kHz may be allotted up to a total of 25 kHz. Since multiple technologies (FDMA, TDMA, etc.), bandwidths (6.25, 12.5, 25 kHz), and modulations will be available, multiple allotments of 6.25 KHz will accommodate users but avoid creation of orphan channels.

NEW ENGLAND REGION 19 700 MHZ COMMITTEE

CERTIFICATION
REGARDING PUBLIC ACCESS TO PLANNING COMMITTEE MEETINGS

I hereby certify that all planning committee meetings, including subcommittee or executive committee meetings, pursuant to the adoption of this Regional Plan, were open to the public.

Notification was provided by mail or email sent to public safety and public service organizations and to organizations representing eligible agencies.

Minutes of the meetings are found in Appendix G - Initial Planning Meeting, Meeting Minutes and Attendance.

Meeting notices are found in Appendix J - FCC Notices and Bulletins.

The meeting notification list is found in Appendix M - Notification List.

George Pohorilak 6/7/04

George Pohorilak Date
Chairman, New England Region 19 700MHz Committee

APPENDIX A

TABLE OF INTEROPERABILITY CHANNELS

700 MHz Interoperability Channels, Labels, and Usage

	12.5 kHz CHANNEL PAIR	CHANNEL LABEL (proposed)	RADIO SERVICE	TALK-AROUND	CHANNEL LABEL (proposed)	USE/MISC NOTES
01	Pair 23-24/983-984	**7TAC58**	General Public Safety Service (secondary trunked)	Channel 23-24	**7TAC58D**	
02	**Pair 39-40/999-1000**	**7CAL59**	**Calling Channel**	**Channel 39-40**	**7CAL59D**	**mandatory**
03	Pair 63-64/1023-1024	**7EMS60**	EMS	Channel 63-64	**7EMS60D**	
04	Pair 79-80/1039-1040	**7EMS61**	EMS	Channel 79-80	**7EMS61D**	
05	Pair 103-104/1063-1064	**7TAC62**	General Public Safety Service (secondary trunked)	Channel 103-104	**7TAC62D**	
06	Pair 119-120/1079-1080	**7TAC63**	General Public Safety Service	Channel 119-120	**7TAC63D**	**mandatory**
07	Pair 143-144/1103-1104	**7FIR64**	Fire	Channel 143-144	**7FIR64D**	
08	Pair 159-160/1119-1120	**7FIR65**	Fire	Channel 159-160	**7FIR65D**	
09	Pair 183-184/1143-1144	**7TAC66**	General Public Safety Service (secondary trunked)	Channel 183-184	**7TAC66D**	
10	Pair 199-200/1159-1160	**7TAC67**	General Public Safety Service	Channel 199-200	**7TAC67D**	
11	Pair 223-224/1183-1184	**7LAW68**	Police	Channel 223-224	**7LAW68D**	
12	Pair 239-240/1199-1200	**7LAW69**	Police	Channel 239-240	**7LAW69D**	
13	Pair 263-264/1223-1224	**7TAC70**	General Public Safety Service (secondary trunked)	Channel 263-264	**7TAC70D**	
14	Pair 279-280/1239-1240	**7DAT71**	Mobile Data	Channel 279-280	**7DAT71D**	
15	Pair 303-304/1263-1264	**7MOB72**	Mobile Repeater	Channel 303-304	**7MOB72D**	**mandatory**
16	Pair 319-320/1279-1280	**7TAC73**	Other Public Service	Channel 319-320	**7TAC73D**	**mandatory**

Channels labeled as mandatory include both the mobile transmit and mobile receive (a total of 16 channels) for subscriber units only

700 MHz Interoperability Channels, Labels, and Usage (continued)

	12.5 kHz CHANNEL PAIR	CHANNEL LABEL	RADIO SERVICE	TALK-AROUND	CHANNEL LABEL	USE/MISC NOTES
17	Pair 641-642/1601-1602	**7EMS76**	EMS	Channel 641-642	**7EMS76D**	
18	Pair 657-658/1617-1618	**7TAC74**	General Public Safety Service (secondary trunked)	Channel 657-658	**7TAC74D**	
19	**Pair 681-682/1641-1642**	**7CAL75**	**Calling Channel**	**Channel 681-682**	**7CAL75D**	**mandatory**
20	Pair 697-698/1657-1658	**7EMS77**	EMS	Channel 697-698	**7EMS77D**	
21	Pair 721-722/1681-1682	**7FIR80**	Fire	Channel 721-722	**7FIR80D**	
22	Pair 737-738/1697-1698	**7TAC78**	General Public Safety Service (secondary trunked)	Channel 737-738	**7TAC78D**	
23	Pair 761-762/1721-1722	**7TAC79**	General Public Safety Service	Channel 761-762	**7TAC79D**	**mandatory**
24	Pair 777-778/1737-1738	**7FIR81**	Fire	Channel 777-778	**7FIR81D**	
25	Pair 801-802/1761-1762	**7LAW84**	Police	Channel 801-802	**7LAW84D**	
26	Pair 817-818/1777-1778	**7TAC82**	General Public Safety Service (secondary trunked)	Channel 817-818	**7TAC82D**	
27	Pair 841-842/1801-1802	**7TAC83**	General Public Safety Service	Channel 841-842	**7TAC83D**	
28	Pair 857-858/1817-1818	**7LAW85**	Police	Channel 857-858	**7LAW85D**	
29	Pair 881-882/1841-1842	**7MOB88**	Mobile Repeater	Channel 881-882	**7MOB88D**	**mandatory**
30	Pair 897-898/1857-1858	**7TAC86**	General Public Safety Service (secondary trunked)	Channel 897-898	**7TAC86D**	
31	Pair 921-922/1881-1882	**7DAT87**	Mobile Data	Channel 921-922	**7DAT87D**	
32	Pair 937-938/1897-1898	**7TAC89**	Other Public Service	Channel 937-938	**7TAC89D**	**mandatory**

Channels labeled as mandatory include both the mobile transmit and mobile receive (a total of 16 channels) for subscriber units only

700 MHz Interoperability Channels – Frequency List

	12.5 kHz CHANNEL PAIR	CHANNEL LABEL (proposed)	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
01	Pair 23-24/983-984	**7TAC58**	764.13750	794.13750	764.14375	794.14375
02	**Pair 39-40/999-1000**	**7CAL59**	**764.23750**	**794.23750**	**764.24375**	**794.24375**
03	Pair 63-64/1023-1024	**7EMS60**	764.38750	794.38750	764.39375	794.39375
04	Pair 79-80/1039-1040	**7EMS61**	764.48750	794.48750	764.49375	794.49375
05	Pair 103-104/1063-1064	**7TAC62**	764.63750	794.63750	764.64375	794.64375
06	Pair 119-120/1079-1080	**7TAC63**	764.73750	794.73750	764.74375	794.74375
07	Pair 143-144/1103-1104	**7FIR64**	764.88750	794.88750	764.89375	794.89375
08	Pair 159-160/1119-1120	**7FIR65**	764.98750	794.98750	764.99375	794.99375
09	Pair 183-184/1143-1144	**7TAC66**	765.13750	795.13750	765.14375	795.14375
10	Pair 199-200/1159-1160	**7TAC67**	765.23750	795.23750	765.24375	795.24375
11	Pair 223-224/1183-1184	**7LAW68**	765.38750	795.38750	765.39375	795.39375
12	Pair 239-240/1199-1200	**7LAW69**	765.48750	795.48750	765.49375	795.49375
13	Pair 263-264/1223-1224	**7TAC70**	765.63750	795.63750	765.64375	795.64375
14	Pair 279-280/1239-1240	**7DAT71**	765.73750	795.73750	765.74375	795.74375
15	Pair 303-304/1263-1264	**7MOB72**	765.88750	795.88750	765.89375	795.89375
16	Pair 319-320/1279-1280	**7TAC73**	765.98750	795.98750	765.99375	795.99375

700 MHz Interoperability Channels – Frequency List (continued)

	12.5 kHz CHANNEL PAIR	CHANNEL LABEL (proposed)	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
17	Pair 641-642/1601-1602	**7EMS76**	768.00000	798.00000	768.00625	798.00625
18	Pair 657-658/1617-1618	**7TAC74**	768.10000	798.10000	768.10625	798.10625
19	**Pair 681-682/1641-1642**	**7CAL75**	**768.25000**	**798.25000**	**768.25625**	**798.25625**
20	Pair 697-698/1657-1658	**7EMS77**	768.35000	798.35000	768.35625	798.35625
21	Pair 721-722/1681-1682	**7FIR80**	768.50000	798.50000	768.50625	798.50625
22	Pair 737-738/1697-1698	**7TAC78**	768.60000	798.60000	768.60625	798.60625
23	Pair 761-762/1721-1722	**7TAC79**	768.75000	798.75000	768.75625	798.75625
24	Pair 777-778/1737-1738	**7FIR81**	768.85000	798.85000	768.85625	798.85625
25	Pair 801-802/1761-1762	**7LAW84**	769.00000	799.00000	769.00625	799.00625
26	Pair 817-818/1777-1778	**7TAC82**	769.10000	799.10000	769.10625	799.10625
27	Pair 841-842/1801-1802	**7TAC83**	769.25000	799.25000	769.25625	799.25625
28	Pair 857-858/1817-1818	**7LAW85**	769.35000	799.35000	769.35625	799.35625
29	Pair 881-882/1841-1842	**7MOB88**	769.50000	799.50000	769.50625	799.50625
30	Pair 897-898/1857-1858	**7TAC86**	769.60000	799.60000	769.60625	799.60625
31	Pair 921-922/1881-1882	**7DAT87**	769.75000	799.75000	769.75625	799.75625
32	Pair 937-938/1897-1898	**7TAC89**	769.85000	799.85000	769.85625	799.85625

700 MHz Interoperability Channels – Talk-around (Simplex/Direct) Frequency List

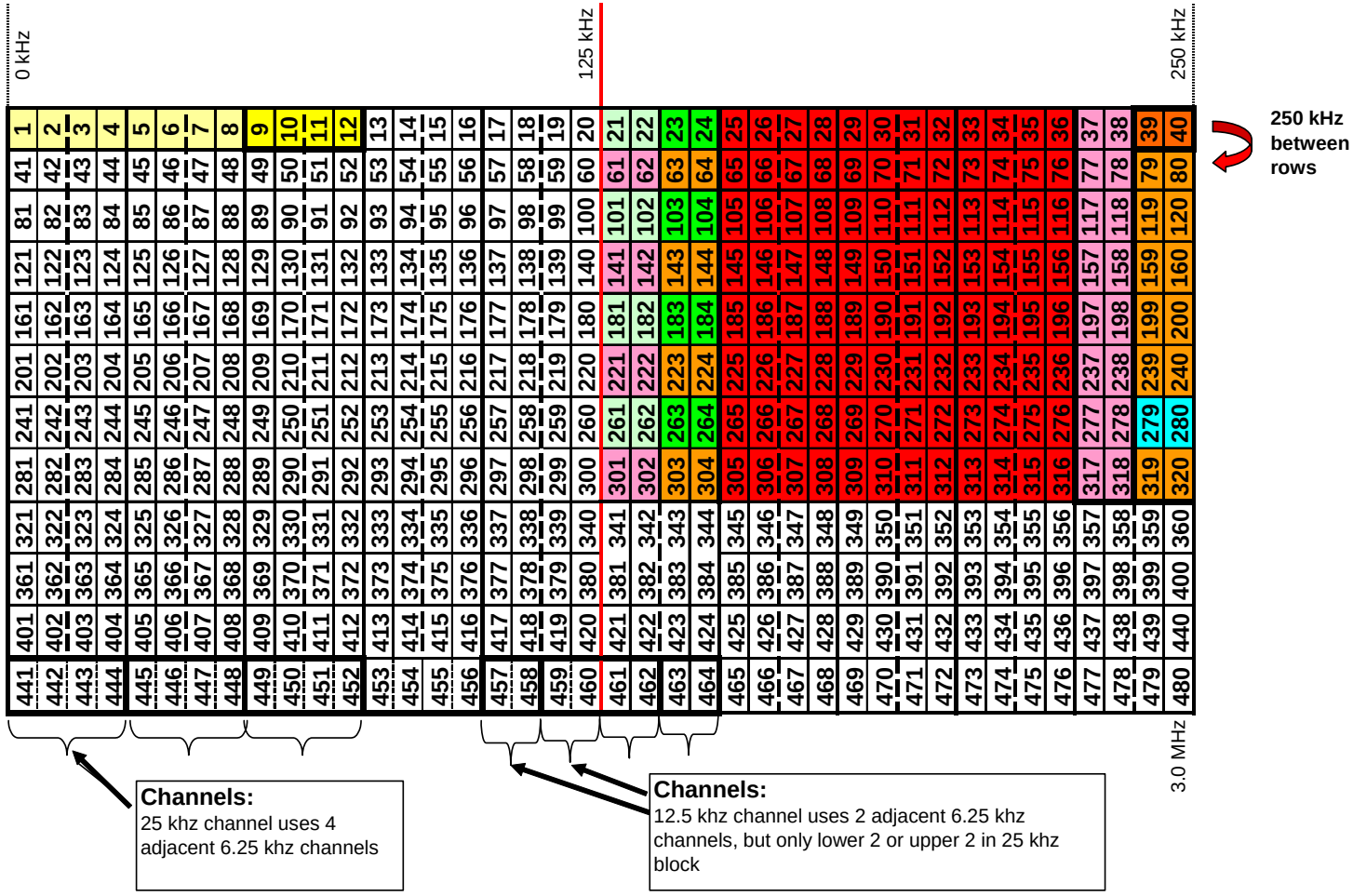
	TALK-AROUND	CHANNEL LABEL (proposed)	FREQUENCY (lower edge) (base)	FREQUENCY (center) (base)
01	Channel 23-24	**7TAC58D**	764.13750	764.14375
02	**Channel 39-40**	**7CAL59D**	**764.23750**	**764.24375**
03	Channel 63-64	**7EMS60D**	764.38750	764.39375
04	Channel 79-80	**7EMS61D**	764.48750	764.49375
05	Channel 103-104	**7TAC62D**	764.63750	764.64375
06	Channel 119-120	**7TAC63D**	764.73750	764.74375
07	Channel 143-144	**7FIR64D**	764.88750	764.89375
08	Channel 159-160	**7FIR65D**	764.98750	764.99375
09	Channel 183-184	**7TAC66D**	765.13750	765.14375
10	Channel 199-200	**7TAC67D**	765.23750	765.24375
11	Channel 223-224	**7LAW68D**	765.38750	765.39375
12	Channel 239-240	**7LAW69D**	765.48750	765.49375
13	Channel 263-264	**7TAC70D**	765.63750	765.64375
14	Channel 279-280	**7DAT71D**	765.73750	765.74375
15	Channel 303-304	**7MOB72D**	765.88750	765.89375
16	Channel 319-320	**7TAC73D**	765.98750	765.99375

700 MHz Interoperability Channels – Talk-around (Simplex/Direct) Frequency List (continued)

	TALK-AROUND	CHANNEL LABEL (proposed)	FREQUENCY (lower edge) (base)	FREQUENCY (center) (base)
17	Channel 641-642	**7EMS76D**	768.00000	768.00625
18	Channel 657-658	**7TAC74D**	768.10000	768.10625
19	**Channel 681-682**	**7CAL75D**	**768.25000**	**768.25625**
20	Channel 697-698	**7EMS77D**	768.35000	768.35625
21	Channel 721-722	**7FIR80D**	768.50000	768.50625
22	Channel 737-738	**7TAC78D**	768.60000	768.60625
23	Channel 761-762	**7TAC79D**	768.75000	768.75625
24	Channel 777-778	**7FIR81D**	768.85000	768.85625
25	Channel 801-802	**7LAW84D**	769.00000	769.00625
26	Channel 817-818	**7TAC82D**	769.10000	769.10625
27	Channel 841-842	**7TAC83D**	769.25000	769.25625
28	Channel 857-858	**7LAW85D**	769.35000	769.35625
29	Channel 881-882	**7MOB88D**	769.50000	769.50625
30	Channel 897-898	**7TAC86D**	769.60000	769.60625
31	Channel 921-922	**7DAT87D**	769.75000	769.75625
32	Channel 937-938	**7TAC89D**	769.85000	769.85625

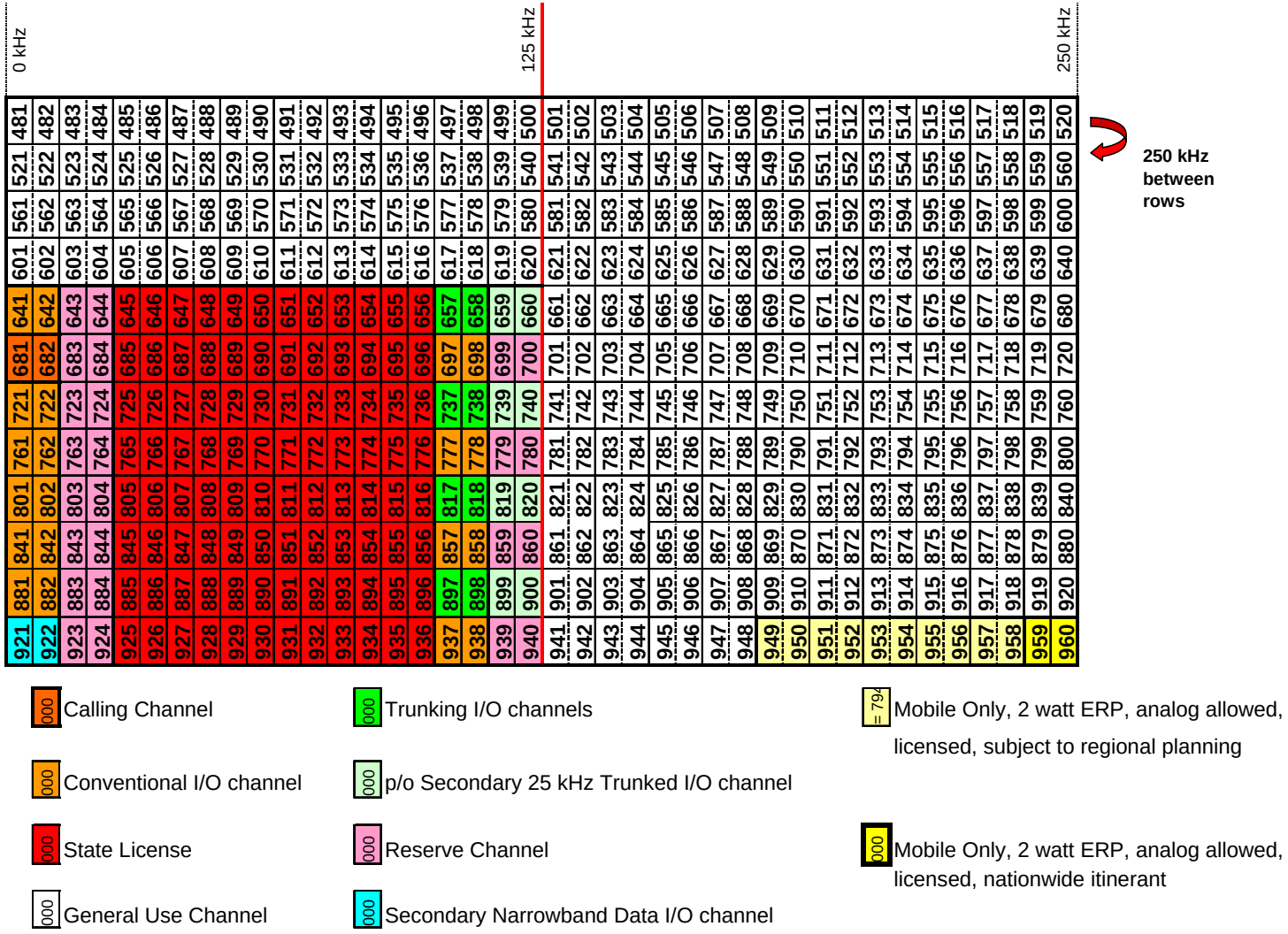
700 MHz Narrowband Channel Layout Plan – TV Channel 63-68 (764-767/794-797 MHz)

TV CH 63/68



700 MHz Narrowband Channel Layout Plan – TV Channel 64-69 (773-776/803-806 MHz)

TV CH 64/69



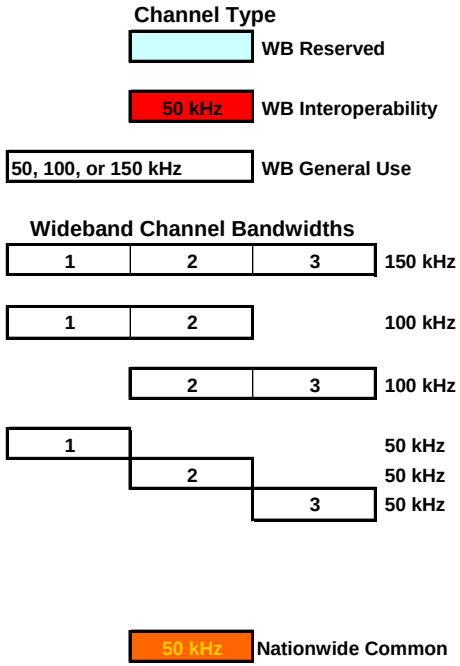
700 MHz Wideband Channel Layout Plan – 767- 773/797- 803 MHz

	CHANNELS	CHANNEL LABEL (proposed)	USAGE PARAMETERS	FREQUENCY (lower edge) (base)	(mobile)	FREQUENCY (center) (base)	(mobile)
01	Pair 28/148	**7WDAT1A**	**50 KHz**	768.350	798.350	768.375	798.375
02	Pair 29/149	**7WDAT1B**	**50 KHz**	768.400	798.400	768.425	798.425
03	Pair 30/150	**7WDAT1C**	**50 KHz**	768.450	798.450	768.475	798.475
	Pair 28-29/148-149	**7WDAT1E**	**aggregated 100 KHz (lower)**	768.350	798.350	768.400	798.400
	Pair 29-30/149-150	**7WDAT1F**	**aggregated 100 KHz (upper)**	768.400	798.400	768.450	798.450
	Pair 28-30/148-150	**7WDAT1G**	**aggregated 150 KHz**	768.350	798.350	768.425	798.425
04	Pair 37/157	**7WDAT2A**	**50 KHz**	768.800	798.800	768.825	798.825
05	Pair 38/158	**7WDAT2B**	**50 KHz**	768.850	798.850	768.875	798.875
06	Pair 39/159	**7WDAT2C**	**50 KHz**	768.900	798.900	768.925	798.925
	Pair 37-38/157-158	**7WDAT2E**	**aggregated 100 KHz (lower)**	768.800	798.800	768.850	798.850
	Pair 38-39/158-159	**7WDAT2F**	**aggregated 100 KHz (upper)**	768.850	798.850	768.900	798.900
	Pair 37-39/157-159	**7WDAT2G**	**aggregated 150 KHz**	768.800	798.800	768.875	798.875
07	**Pair 46/166**	**7WDAT3A**	**50 KHz - no aggregation = nationwide common**	**769.300**	**799.300**	769.325	799.325
08	Pair 47/167	**7WDAT3B**	**50 KHz - no aggregation**	769.350	799.350	769.375	799.375
09	**Pair 48/168**	**7WDAT3C**	**50 KHz - no aggregation = nationwide common**	**769.400**	**799.400**	769.425	799.425
10	**Pair 73/193**	**7WDAT4A**	**50 KHz - no aggregation = nationwide common**	**770.600**	**800.600**	770.625	800.625
11	Pair 74/194	**7WDAT4B**	**50 KHz - no aggregation**	770.650	800.650	770.675	800.675
12	**Pair 75/195**	**7WDAT4C**	**50 KHz - no aggregation = nationwide common**	**770.700**	**800.700**	770.725	800.725
13	Pair 82/202	**7WDAT5A**	**50 KHz**	771.050	801.050	771.075	801.075
14	Pair 83/203	**7WDAT5B**	**50 KHz**	771.100	801.100	771.125	801.125
15	Pair 84/204	**7WDAT5C**	**50 KHz**	771.150	801.150	771.175	801.175
	Pair 82-83/202-203	**7WDAT5E**	**aggregated 100 KHz (lower)**	771.050	801.050	771.100	801.100
	Pair 83-84/203-204	**7WDAT5F**	**aggregated 100 KHz (upper)**	771.100	801.100	771.150	801.150
	Pair 82-84/202-204	**7WDAT5G**	**aggregated 150 KHz**	771.050	801.050	771.125	801.125
16	Pair 91/211	**7WDAT6A**	**50 KHz**	771.500	801.500	771.525	801.525
17	Pair 92/212	**7WDAT6B**	**50 KHz**	771.550	801.550	771.575	801.575
18	Pair 93/213	**7WDAT6C**	**50 KHz**	771.600	801.600	771.625	801.625
	Pair 91-92/211-212	**7WDAT6E**	**aggregated 100 KHz (lower)**	771.500	801.500	771.550	801.550
	Pair 92-93/212-213	**7WDAT6F**	**aggregated 100 KHz (upper)**	771.550	801.550	771.600	801.600
	Pair 91-93/202-204	**7WDAT6G**	**aggregated 150 KHz**	771.500	801.500	771.575	801.575

Note: Channels 46 & 48 and 73 & 75 are reserved
as 50 KHz Nationwide Common Channels

700 MHz Wideband Channel Layout Plan – 767-773/797-803 MHz

767 / 797 MHz (NB Channels)			150 kHz			300 kHz		450 kHz
1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	18
19	20	21	22	23	24	25	26	27
28	29	30	31	32	33	34	35	36
37	38	39	40	41	42	43	44	45
46	47	48	49	50	51	52	53	54
55	56	57	58	59	60	Upper half of TV Channels 63/68		
			770 / 800 MHz					
Lower half of TV Channels 64/69			61	62	63	64	65	66
67	68	69	70	71	72	73	74	75
76	77	78	79	80	81	82	83	84
85	86	87	88	89	90	91	92	93
94	95	96	97	98	99	100	101	102
103	104	105	106	107	108	109	110	111
112	113	114	115	116	117	118	119	120
								773 / 803 MHz (NB Channels)



Note: Channels 46 & 48 and 73 & 75 are reserved as 50 KHz Nationwide Common Channels

APPENDIX B

MEMORANDUM OF UNDERSTANDING
BY AND BETWEEN
NEW ENGLAND REGION 19 700 MHz PLANNING COMMITTEE
AND

TO: _____
(Signer of application and title)

_____
(Agency name)

FROM: _____, Chairman
(Name)

DATE: _____
(mm/dd/yy)

SUBJECT: Memorandum of Understanding for Operating the 700 MHz Interoperability Channels for Region 19

This Memorandum of Understanding (hereafter referred to as MOU) shall be attached to the application when submitting it. By virtue of signing and submitting the application and this MOU, (agency name), (hereafter referred to as APPLICANT) affirms its willingness to comply with the proper operation of the Interoperability (interoperability) channels as dictated by the New England Region 19 700 MHz Regional Planning Committee (hereafter referred to as RPC) as approved by the Federal Communications Commission (hereafter referred to as FCC) and by the conditions of this MOU.

The APPLICANT shall abide by the conditions of this MOU which are as follows:

- To operate by all applicable State, County, and City laws and ordinances.
- To utilize "plain language" for all transmissions.
- To monitor the Calling Channel(s) and coordinate the use of the Tactical Channels.
- To identify inappropriate use and mitigate the same from occurring in the future.
- To limit secondary Trunked operation to the interoperability channels specifically approved on the application and limited to channels listed below.
- To relinquish secondary Trunked operation of approved interoperability channels to requests for primary conventional access with same or higher priority.
- To mitigate contention for channels by exercising the Priority Levels identified in this MOU.
- The applicant agency will use these interoperability channels with (number of mobile/portable units) and will notify the New England Region 19 700 MHz Regional Planning Committee (RPC) if the number of radios programmed increases by more than 10% of the number of units listed above.

The preceding conditions are the primary, though not complete, requirements for operating in the interoperability channels. (Refer to the New England Region 19 Plan for the complete requirements list.)

Priority Levels:

1. Disaster or extreme emergency operation for mutual aid and interagency communications;
2. Emergency or urgent operation involving imminent danger to life or property;
3. Special event control, generally of a preplanned nature (including Task Force operations);
4. Single agency secondary communications.

To resolve contention within the same priority, the channel should go to the organization with the wider span of control and/or authority. This shall be determined by the State Interoperability Executive Committee or RPC for the operation or by the levels of authority/government identified in the contention.

For clarification purposes and an aid to operate as authorized, any fixed or mobile relay stations identified on the license for temporary locations (FCC station class FBT or FB2T, respectively) shall remain within the licensed area of operation. Similarly, vehicular/mobile repeater stations (FCC station class MO3) shall remain within the licensed area of operation. Federal agencies are permitted access to interoperability channels only as authorized by 47 CFR 2.102 & 2.103 and Part 7.12 of the National Telecommunications Information Administration (NTIA) Manual.

Any violation of this MOU, the New England Region 19 Plan, or FCC Rule shall be addressed immediately. The first level of resolution shall be between the parties involved, next the State Interoperability Executive Committee or RPC, and finally the FCC.

<u>Secondary Trunked Channels</u>

GTAC5 - Channel 54 & 55
GTAC7 - Channel 134 & 135
GTAC9 - Channel 214 & 215
GTAC11 - Channel 294 & 295
GTAC13 - Channel 374 & 375
GTAC35 -- Channel 534 & 535
GTAC37 -- Channel 614 & 615
GTAC39 -- Channel 694 & 695
GTAC41 -- Channel 774 & 775
GTAC43 -- Channel 854 & 855

These parties each bind themselves, successors, assigns and legal representatives with respect to all covenants of the Agreement.

(Printed name of Region 19 Representative and title)

(Signature of Region 19 Representative)

(Date)

New England Region 19 700 MHz Committee

(Printed name of authorized signer and title)

(Authorized signer identified above and consistent with application)

(Date)

(Agency name)

(Agency address)

(Agency address)

(Agency address)

(Signer's telephone)

(Signer's email address)

(Agency letterhead of Licensee)

APPENDIX C

MEMORANDUM OF AGREEMENT
BY AND BETWEEN
NEW ENGLAND REGION 19 700 MHz PLANNING COMMITTEE
AND

TO: _____
(Recipient person and title)

_____
(Recipient agency)

FROM: _____
(Authorizing person and title)

_____
(Authorizing agency)

DATE: _____
(mm/dd/yy)

SUBJECT: Memorandum of Agreement Regarding Mobil Radio Parameters

New England Region 19 700 MHz Committee (grantor) authorizes _____ (grantee) to operate _____ (quantity) mobile (vehicular or hand-held) radios. Such operation shall be per the following parameters:

Call Sign	Frequency(ies)	Max. Power	Channel Description
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

(Use additional attachments as necessary for more frequencies/channels)

This written agreement applies to operations in cooperation and coordination with activities of the licensee per New England Region 19 Plan, FCC Rules 47 CFR Parts 2.102(c), 2.103 and 90.421 and Part 7.12 of the National Telecommunications Information Administration Manual. Furthermore, the grantor reserves the right to effectively eliminate the possibility of unauthorized operation, which ultimately could result in terminating this written agreement.

These parties each bind themselves, successors, assigns and legal representatives with respect to all covenants of the Agreement.

_____
(Printed name of Region 19 representative and title)

_____
(Signature of Region 19 representative)

_____
(Date)

New England Region 19 700 MHz Committee

and

_____
(Printed name of authorized signer and title)

_____
(Authorized signer identified above)

_____
(Date)

_____
(Agency name)

_____
(Agency address)

_____
(Agency address)

_____
(Agency address)

_____
(Signer's phone)

_____
(Signer's email address, if available)

APPENDIX D

NEW ENGLAND REGION 19 700 MHZ COMMITTEE DISPUTE RESOLUTION PROCESS

INTRODUCTION

The New England Region 19 700 MHz Committee is established under section 90.527 of the Federal Communications Commission's (FCC) rules and regulations. It is an independent Committee apart from the Federal Communications Commission with authority to evaluate applications for public safety uses of the spectrum allocated under FCC Docket 96-86. In addition, the Committee hears appeals of the decisions and allocations which it has made. The formal requirements of the appeal process are set out below.

In order to ensure that the appeal process is open and understandable to the public, the New England Region 19 700 MHz Committee has developed this procedure. The Committee and its members will follow this procedure (as may be amended). Any changes made to this process will require a modification to the Regional Plan and will be made available to the public.

The New England Region 19 700 MHz Committee will make every effort to process appeals in a timely fashion and issue decisions expeditiously.

APPEALS COMMITTEE

Members

The Regional Chair may organize the Committee into Sub-Committees, each comprised of one or more members. The Appeals Sub-Committee is one of those Sub-Committees. Where an appeal is scheduled to be heard by this Sub-Committee, the chair is determined as follows:

(a) if the chair of the Committee is on the Sub-Committee, he/she will be the chair;
(b) if the chair of the Committee is not on the Sub-Committee but the vice-chair is, the vice-chair will be the chair; and
(c) if neither the chair nor the vice-chair is on the Sub-Committee, the New England Region 19 700 MHz Committee will designate one of the members to be the chair.

Withdrawal or Disqualification of a Committee Member on the Grounds of Bias

Where the chair or a Committee member becomes aware of any facts that would lead an informed person, viewing the matter reasonably and practically, to conclude that a member, whether consciously or unconsciously, would not decide a matter fairly, the member will be prohibited from conducting the appeal unless consent is obtained from all parties to continue. In addition, any party to an appeal may challenge a member on the basis of real or a reasonable appearance of bias.

Correspondence (Communicating) with the Committee

To ensure the appeal process is kept open and fair to the participants, all correspondence to the New England Region 19 700 MHz Committee must be sent to the chair, vice-chair and secretary and other parties to the appeal.

Committee members will not contact a party on any matter relevant to the merits of the appeal, unless that member puts all other parties on notice and gives them an opportunity to participate. The appeal process is public in nature and all meetings regarding the appeal will be open to the public.

THE APPEAL PROCESS

Filing an Appeal

What can be appealed
The Committee hears appeals of decisions or allocations.

Who can appeal
An official of the entity who filed the original application to the New England Region 19 700 MHz Committee must be the person who files the appeal on behalf of the entity.

How to appeal
A notice of appeal must be served upon the New England Region 19 700 MHz Committee. The notice of appeal may be "delivered" by mail, courier, or hand delivered to the office of the chair, vice-chair and secretary as listed in the Official Membership List. The Committee will also accept a notice of appeal by facsimile to the chair, vice-chair and secretary with the original copy of the notice of appeal served as indicated above.

Certain things must be included in a notice of appeal for it to be accepted. The notice of appeal **must** include:
1. name and address of the appellant;
2. name of the person, if any, making the request for an appeal on behalf of the appellant;
3. address for service of the appellant;
4. grounds for appeal (a detailed explanation of the appellant's objections to the determination - describe errors in the decision);
5. description of the relief requested; and
6. signature of the appellant or the appellant's representative.

Time limit for filing the appeal
To appeal a decision or allocation, the entity who is subject to the decision must deliver a notice of appeal **within thirty calendar days** after receiving the decision.

Extension of time to appeal
The Committee is allowed to extend the deadline, either before or after its expiration based upon a majority plus one vote of the Committee.

A request for an extension should be made to the chair, vice-chair and secretary in writing, and include the reasons for the delay in filing the notice of appeal and any other reasons which the requester believes support the granting of an extension of time to file the appeal.

Rejection of a notice of appeal

The Committee may reject a notice of appeal if:

(a) it is determined that the appellant does not have standing to appeal; or
(b) the Committee does not have jurisdiction over the subject matter or the remedy sought.

Before a notice of appeal is rejected, the Committee will inform the appellant of this in writing, with reasons, and give the appellant a thirty calendar day opportunity to make submissions and any potential parties with an opportunity to respond.

Adding parties to the appeal

In addition to the parties mentioned above, the Committee has the discretion to add any other person who may be "affected" by the appeal as a party to the appeal.

Anyone wanting to obtain party status should make a written request to the chair, vice-chair and secretary no less than thirty calendar days prior to the hearing date. The written request should contain the following information:

(a) name, address, telephone, fax number and email of the person submitting the request,
(b) detailed description of how the person is "affected" by the notice of appeal,
(c) reasons why the person should be included in the appeal,
(d) signature of the person submitting the request.

Intervener status

The Committee may also invite or permit an individual or organization to participate in a hearing as an intervener. Interveners are generally individuals or organizations that do not meet the criteria to become a party (i.e. "may be affected by the appeal") but have sufficient interest in, or relevant expertise or view in relation to the subject matter of the appeal.

An individual or organization wanting to take part in an appeal as an intervener should send a written request to the chair, vice-chair and secretary. The written request should contain the following information:

(a) name, address, telephone, fax number and email of the person or organization submitting the request,
(b) detailed description of the interest or relevant expertise of the person or organization in relation to the subject matter of the appeal,
(c) reason why the person or organization should be allowed to participate as an intervener in the appeal,
(d) signature of the person submitting the request.

Prior to inviting or permitting an individual or organization to participate in a proceeding as an intervener, or deciding on the extent of that participation, the Committee will provide all parties with an opportunity to make representations if they wish to do so.

Type of appeal hearing (written or oral)
An appeal may be conducted by way of written submissions, oral hearing or a combination of both. The Committee will determine the appropriate type of appeal after a complete notice of appeal has been received. The Committee will normally conduct an oral hearing although it may order that a hearing proceed by way of written submissions in certain cases. Where a hearing by written submissions is being considered by the Committee, the Committee may request input from the parties.

Burden of proof
The burden or responsibility for proving a fact is on the person who asserts it.

Notification of expert evidence
The Committee requires any party that intends to present expert evidence at a hearing to provide the chair, vice-chair and secretary, and all other parties to the appeal, with advance notice that an expert will be called to give an opinion. Advance notice shall be no less than thirty calendar days. The notice should include a brief statement of the expert's qualifications and areas of expertise.

If a party intends to produce, at a hearing, a written statement or report prepared by an expert, a copy of the statement or report should be provided to the chair, vice-chair and secretary, and all parties to the appeal before the statement or report is given in evidence. Expert statements or reports are to be distributed no less than thirty calendar days prior to the hearing date.

Documents
If a party will be referring to a document, that document must be provided to the chair, vice-chair and secretary and all parties no less than thirty calendar days prior to the hearing.

APPEALING THE APPEALS DECISION

If a party is not satisfied with the decision of the Region, he or she can appeal that decision to the Federal Communications Commission.

Part 2 Appendix E - Region 19 County and State Data

County and State	Population	% of Population	Square Miles	Persons / Square Mile
Connecticut	***3,405,565***	***100%***	***4,845***	***703***
Fairfield	882,567	25.9%	626	1,410
Hartford	857,183	25.2%	735	1,166
Litchfield	182,193	5.3%	920	198
Middlesex	155,071	4.6%	369	420
New Haven	824,008	24.2%	606	1,361
New London	259,088	7.6%	666	389
Tolland	136,364	4.0%	410	333
Windham	109,091	3.2%	513	213
Maine	***1,274,923***	***100%***	***30,862***	***41***
Androscoggin	103,793	8.1%	470	221
Aroostook	73,938	5.8%	6,672	11
Cumberland	265,612	20.8%	836	318
Franklin	29,467	2.3%	1,698	17
Hancock	51,791	4.1%	1,588	33
Kennebec	117,114	9.2%	868	135
Knox	39,618	3.1%	366	108
Lincoln	33,616	2.6%	456	74
Oxford	54,755	4.3%	2,078	26
Penobscot	144,919	11.4%	3,396	43
Piscataquis	17,235	1.4%	3,966	4
Sagadahoc	35,214	2.8%	254	139
Somerset	50,888	4.0%	3,926	13
Waldo	36,280	2.8%	730	50
Washington	33,941	2.7%	2,568	13
York	186,742	14.6%	991	189
Massachusetts	***6,349,097***	***100%***	***7,840***	***810***
Barnstable	222,230	3.5%	396	562
Berkshire	134,953	2.1%	931	145
Bristol	534,678	8.4%	556	962
Dukes	14,987	0.2%	104	144
Essex	723,419	11.4%	501	1,445
Franklin	71,535	1.1%	702	102
Hampden	456,228	7.2%	618	738
Hampshire	152,251	2.4%	529	288
Middlesex	1,465,396	23.1%	823	1,780
Nantucket	9,520	0.1%	48	199

County and State	Population	% of Population	Square Miles	Persons / Square Mile
Massachusetts	***6,349,097***	***100%***	***7,840***	***810***
Norfolk	650,308	10.2%	400	1,628
Plymouth	472,822	7.4%	661	716
Suffolk	689,807	10.9%	59	11,788
Worchester	750,963	11.8%	1,513	496
New Hampshire	***1,235,786***	***100%***	***8,968***	***138***
Belknap	56,325	4.6%	401	140
Carroll	43,666	3.5%	934	47
Cheshire	73,825	6.0%	707	104
Coos	33,111	2.7%	1,800	18
Grafton	81,743	6.6%	1,713	48
Hillsborough	380,841	30.8%	876	435
Merrimack	136,225	11.0%	934	146
Rockingham	277,359	22.4%	695	399
Strafford	112,233	9.1%	369	304
Sullivan	40,458	3.3%	537	75
Rhode Island	***1,048,319***	***100%***	***1,045***	***1,003***
Bristol	50,648	4.8%	25	2,052
Kent	167,090	15.9%	170	982
Newport	85,433	8.1%	104	821
Providence	621,602	59.3%	413	1,504
Washington	123,546	11.8%	333	371
Vermont	***608,827***	***100%***	***9,250***	***66***
Addison	35,974	5.9%	770	47
Bennington	36,994	6.1%	676	55
Caledoonia	29,702	4.9%	651	46
Chittenden	146,571	24.1%	539	272
Essex	6,459	1.1%	665	10
Franklin	45,417	7.5%	637	71
Grand Isle	6,901	1.1%	83	84
Lamoille	23,233	3.8%	461	50
Orange	28,226	4.6%	689	41
Orleans	26,277	4.3%	698	38
Rutland	63,400	10.4%	933	68
Washington	58,039	9.5%	689	84
Windham	44,216	7.3%	789	56
Windsor	57,418	9.4%	971	59
Total	**13,922,517**		**62,810**	**222**

Source: US Census Bureau , Census 2000 files:
Census 2000 Summary File 1, Matrices PCT-12 and P13. QuickFacts for Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont.

APPENDIX F

NEW ENGLAND REGION 19
AGENCIES TO BE CONSIDERED FOR INTEROPERABILITY

The following is a listing of agencies which may need to communicate with each other during an emergency situation:

Federal Agencies
Federal Marshal
Border Patrol
Coast Guard
Navy/Army/Marines
Environmental Protection
Treasury
Indian Tribal Nations
Forest Services
Parks Services
Emergency Management
Transportation

State Agencies
Police
Fire Marshall
Environmental Protection
Transportation
Corrections
Hazardous Materials
Transit Authority
Community Health
Emergency Management

City/Township/Town
Police
Parks
Environmental Protection
Fire
Schools
Public Works
Schools
Community Health
Animal Control
Ambulance services
Bridge Authority
Metro Parks

County
Sheriff
Parks
Environmental Protection
Fire
Road Commission
Animal Control
Ambulance Services
Bridge authority
Metro Parks
Emergency Management

Population Centers/ Industry, Business
Factories
Gas Company
Electric Company
Colleges/Schools
Stadium(s)
Convention Center

Public Service
Salvation Army
Red Cross
Radio Amateurs
Ambulance Service
Bridge Authority

Hospitals
City
County
Private

Transportation
Harbor Master
Airport
Railroad
Civil Air Patrol
Toll Road
Bridge Authority

APPENDIX G

NEW ENGLAND REGION 19
INITIAL PLANNING MEETING, MEETING MINUTES, ATTENDANCE AND NOTIFICATION METHODS

Initial Meeting

On December 7, 2000, the initial Planning Meeting for the New England Region 700 MHz Planning Committee was held at the Daniel Webster College in Nashua, New Hampshire. The meeting was called to order by Mr. George Pohorilak, current chair of the Region 19 800 MHz Committee. The meeting was open to the public.

Copies of the Federal Communications Commission (FCC) Public Notice and the minutes of the initial Planning Meeting are enclosed in this appendix.

December 2000 Minutes

NEW ENGLAND REGION 700MHZ PLANNING MEETING

MINUTES

DECEMBER 7, 2000
DANIEL, WEBSTER COLLEGE
Nashua, New Hampshire

9:15 am

Mr. George Pohorilak, current chair of the Region 19 800MHz Committee, called the meeting to order.

He described the mandate that gives him authority to convene this meeting

Pohorilak introduced James Warakois, Boston Police Communications as the Temporary Recording secretary.

Pohorilak introduced, himself the members of the panel, Jerry Zarwanski, DPS-OSET, and Jim Warakois, APCO AFC MA/RI.

Nominations were opened for Chairman.
R. DiBella nominated George Pohorilak; there were multiple seconds.
A second call for nominations was made. No further nominations were received.
The nominations for Chairman were closed. A voice vote was made.

George Pohorilak, Chairman of the New England 700MHZ Planning Committee.

Nominations opened for Vice Chairman.
Jerry Zarwanski was nominated, and seconded for Vice-Chairman.
A second call for nominations was made. No further nominations were received.
The nominations for Vice Chairman were closed. A voice vote was made.

Jerry Zarwanski, Vice Chairman of the New England Region 700MHZ Planning Committee.

Nominations opened for Recording Secretary
Jim Warakois was nominated, and seconded for Recording Secretary.
A second call for nomination was made. No further nominations were received.
The nominations for Recording Secretary were closed. A voice vote was made.

Jim Warakois, Recoding Secretary of the New England Region 19 700MHZ Planning Committee.

R. DiBella moved that the vote for all officers be made unanimous by acclamation. Seconded and affirmed by voice vote.

The Roberts Rules of Order will govern the proceedings of this committee.

Pohorilak introduced David Eierman, Motorola / NCC member.

Mr. Eierman spoke on the current status of the 700 MHZ Transition.

A PowerPoint presentation was used to emphasize major points such as:

Reallocation of TV Channels 60 - 69; Allocations to Public Safety; NCC Current recommendations; National & Regional plans, existing and future; 700 MHz RPC Process; Adjacent Regions; Notifications of adjacent regions; Management of databases; TV Incumbency and timetables for change.

A the conclusion of Mr. Eierman's presentation the panel reconvened for further business.

G. Pohorilak asked those assembled if there was objection to delaying the formation of subcommittees until the next meeting of this committee which will be held in February 2001.

No objection was voiced.

Meeting adjourned at **10:31 am**

Respectfully submitted

James A. Warakois, Recording Secretary.

Documents made available prior to meeting:
NCC Implementation Subcommittee Final Draft Guidelines for 764-776/794-806 REGIONAL PLANNING COMMITTEES
New England Region 700MHZ Planning Meeting Agenda

A meeting Registration list was created.

March 2001 Minutes

New England Region 700MHz, Technical Advisory Committee Meeting
Thursday, March 29, 2001
State Police Headquarters, Framingham, Massachusetts
List of Attendees:
George Pohorilak DPS-OSET, State of Connecticut, Chairman
Jerry Zarwanski DPS-OSFT, State of Connecticut, Vice-Chairman
James Warakois Boston, MA, Police Communications, Secretary
Gregory Richardson Boston Fire Dept
James P. Kowalik NH State Police
Michael Doucette NH State Police - Troop F
Ralph R. Thompson
Rick Pollak Motorola
Robert DiBella Town of Glastonbury, CT
Thomas Crony Rhode Island State Police
John Pinkham Mass State Police
John Mosely Mass State Police
Mark Cady Worcester Fire
Richard Hanlon Mass State Police
Gary Gutowski Mass State Police
Phillip Balboni Boston EMS
George Carbonell CT DOT
Michael Stemmler CT State Police

The Chairman called the meeting to order at 9:40 AM.

The Chairman announced the publication of the Fifth Report and Order (FCC WT Docket No.96-86). Of immediate importance is the definition of the geographic regions served by the committees. The Chairman referenced the division of the State of Connecticut into Region 8 and Region 19. State decision to opt out must meet 7/1/01 deadline.

Copies of FCC Public Notice DA 01-58, Public Safety 700 MHz Band General Use Spectrum Deadline for changing Regional Boundaries were distributed. The Chairman requisitioned members of the committee, from the state of Connecticut, take a vote to include the entire state into one Region. He referenced page 1 of attachment B of DA 01-58.

Motion by G. Carbonell that: **THE STATE OF CONNECTICUT UN IT'S ENTIRETY BE MOVED TO REGION 19 FOR THE 700MHz SPECRUM ASSIGNMENTS.** Second by R. DiBella. Comments by the Chairman and & Carbonell about the advantages of the change The Chairman called for a vote by those members from Connecticut. **The Vote was unanimous in the AFFIRMATIVE**. The FCC will be notified by letter of Connecticut's decision to opt out of Region 8 as a result of this vote.

Grant Application

The Chairman next called attention to the document Regional Planning Committee Support Funding Program 2001. He pointed out the need for disbursement and accounting of any funds received from the National Institute of Justice AGILE Program Association of Public Safety Communications Officials, International (APCO), Atlantic Chapter was approached to provide the accounting and disbursement of any funds received under this program.

The treasurer of the APCO, Atlantic Chapter, Jeff Vannais was approached by the Chairman as to the willingness of APCO - Atlantic Chapter to hold money for the committee and disburse funds as authorized by the committee.

R. DiBella suggested that APCO - Atlantic Chapter handling the funds might give the appearance of favoritism. R. Thompson stated that the small sum of money would not be significant and from his view would not evoke feeling of conflict with IMSA or other frequency coordinators. G. Carbonell noted that the handling of the finds by APCO would avoid the accounting difficulties found within state accounting and disbursement systems. He questioned how many other organizations not tied to a state were setup to handle the disbursement of finds. It was noted that there would be no charges for servicing this account.

The chairman stated that the request for accounting support be brought before the APCO - Atlantic Chapter for approval. A Memorandum of Understanding will be generated between the 700Mhz Committee and APCO - Atlantic Chapter. Rules of find disbursement will be identified. J. Kowalik inquired of the committee's intent to support funding for implementation of software training for maintenance of the frequency database. The Chairman suggested that use of the database would likely be by the Frequency Coordinators involved in the frequency assignment process.

Vice Chairman (J. Zarwanski) observed that the frequency database would be maintained by some person from the Committee. Coordination of frequencies could be by any of the Coordinators who currently coordinate Public Safety frequencies.

Motion by R. DiBella that APPLICATION BE MADE FOR A GRANT OF THE MAXIMUM FUNDS AVAILABLE FROM N.P.S.T.C. Seconded by G. Carbonell. Voted in the affirmative by the majority of those present.

Motion by R. DiBella that **APCO, ATLANTIC CHAPTER BE USED TO HOLD AND DISBURSE THE GRANT MONEYS RECEIVED.** Seconded by R. Thompson. **Voted in the affirmative by the majority of those present.**

Public Notice (FCC) DAOI-406 Public Safety 700 MHz Band-State License Option to Apply Runs through December 31, 2001 distributed.

The Chairman emphasized the need for each State to take prompt action to file application for the State frequencies even though the final rules have not been issued.

General discussion ensued regarding the designation by the States for State "Band Managers" for 700 MHz. J. Kowalik described the process in New Hampshire. The Chairman described the

process and intentions in Connecticut. J. Zarwanski explained the current procedure for filing for the license, the results that can be expected and the date of deadlines. The discussion by others emphasized the need for all of the Region 19 member states to file timely application for the "State 700MHz Band" even though the states were in preliminary discussions.

Motion by R. Thompson that **The Chairman send a letter to those states not represented at this session (Maine and Vermont) emphasizing the need for them to act on making application for the state allotment of 700 MHz frequencies.** (FCC Public Notice DA 01-406). Seconded by R. DiBella. **A voice vote was unanimous in the affirmative.**

The Chairman opened discussion about the plan development process. He suggested that the elements of the plan should begin by the June meeting.

The subjects of discussion included: Geographic boundaries; 800 MHz process and previous experience with the 821 MHz plan. The Chairman referred to the published NPSTC Plan and recommended it as a guideline for the 700MHz plan. The NPSTC Plan includes: Procedures; Plan Development; Technical Standards; Appeals; Interoperability; Eligibility; Applications; Enforcement; etc.

J. Kowalik suggested dividing plan development into two main areas with associated subcommittees: administrative procedures; and technical issues; and procedures isle noted many of the procedures be modeled after the 800MHz plan that is now in place. However, there are technical standards that will have to wait for FCC guidelines.

The possibility of Internet use by the members was discussed G. Carbonell suggested the creation of an Internet user group for exchange of information.

The Chairman suggested that the plan development process should begin before the next meeting. The following members agreed to begin drafting the following:
Procedures element - J. Kowalski
Eligibility sub committee - J. Zarwanski, G. Pohorilak
Applications process - sub committee, G. Pohorilak

It was suggested that the current Regional 19 plan be obtained for the members G. Carbonell agreed to "scan-in" the current Region S and Region 19 plans into a user group format to be available to the members of this committee via the Internet

The Chairman suggested holding the next meeting of the entire committee in late June. After discussion, Wednesday, June 20, 2001 was chosen as the next meeting date. The location, Vermont. The location address will be sent with Agenda to committee members

A general public notification of the meeting will be made to Public Safety Entities, especially those near the meeting venue

Motion by the Vice-Chairman that The minutes of the previous meeting be accepted as written. Second by G. Carbonell. There was no further discussion. The minutes of the previous meeting were approved by voice vote.

The Chairman called for any further comments or discussion from the floor.

Motion to adjourn voted and carried.

Meeting adjourned at 11:48 AM

Documents distributed to attendees:

- **Regional Planning Committee Support Funding Program 2001,** NPSTC (National Public Safety Telecommunications Committee
- FCC Public Notice, DA 01-58, Public Safety 700 MHz Band General Use Spectrum Deadline for Changing Regional Boundaries is July 2, 2001
- FCC Public Notice, DA 01-406, Public Safety 700 MHz Band--State *License Option To Apply Runs Through December 31 2001*
- Minutes New England Region 700 MHz Planning Meeting, December 7, 2000, Daniel Webster College, Nashua, New Hampshire.

Respectfully Submitted
James N Warakois, Secretary

June 2001 Minutes

New England Region 700MHz, Technical Advisory Committee Meeting
Wednesday, June 20, 2001

List of Attendees:
George Pohorilak DPS-OSET, State of Connecticut, Chairman
Jerry Zarwanski DPS-OSET, State of Connecticut, Vice-Chairman
James Warakois Boston, MA, Police Communications, Secretary
Stephan Brown CT State Aviation and Port
George Carbonell CT DOT
Stephen Verbil, Verbil Communications, Inc.
Robert DiBella Town of Glastonbury, CT
Mark Cady Worcester, MA, Fire
Terry Lavalley VT State Police
Elliot Derdak Boston, MA, EMS
Bob Cruikshank Motorola
Ralph R. Thomson Worcester, MA
Thomas Crotty RI State Police
Gary Gutowski MA State Police
Mike Stemmler CT State Police
Blair Sutherland MA State Police
John Pinkham MA State Police

The third quarterly meeting of the New England Region 700MHz Technical Advisory Committee was held on Wednesday, June 20, 2001 at the Vermont State Police Barracks, Chester, VT. The Chairman called the meeting to order at 10:20 AM.

First Order of Business:
Acceptance of the minutes of the previous meeting. **Moved** by G. Carbonell to **ACCEPT the** minutes as written. There was no discussion or changes. The minutes were approved as presented.

Grant Application:
An **application** for a **grant** for operational expenses was submitted in May to the National Law Enforcement and Technology Center. There has been no response.

A **Memorandum of Understanding (MOU)** has been created between this Committee and the Atlantic Chapter of APCO. The funding obtained through the grant will be held and disbursed by the Atlantic Chapter APCO with Committee's approval, **voted** authorization.
700MHz FCC Planning Process:

The Chairman discussed the historical development of the 800MHz Plan. He emphasized the need to examine the successful and unsuccessful processes used in that plan. The Chairman indicated the need for creativity/improvements for the forthcoming 700MHz plan development and not to necessarily copy the existing 800MHz plan.

The Chairman announced the intent of the Committee meetings to be held at various venues around Region 19 to allow wider attendance

The Chairman discussed the need for creating an **equitable representation from the community of Public Safety users.** The Chairman noted the need to take a proactive approach to gaining membership and interest. By moving the meeting sites among the states of Region 19 it is hoped that all committee members would be able to participate actively in the meetings. There are members of the **NCC** from within the Region who could serve as a link with the Committee for the exchange of ideas.

Mr. Carbonell noted that the Governor of each state has to designate some Public Safety group within the state to administer the "State License", state defined radio channels.

General discussion: The governor of Vermont has appointed the Vermont State Police as administrator within that state. New Hampshire and Maine have designated the State Police to administer. The Massachusetts State Police have filed application with the Governor for designation as administrator. Official designation has not been received. Connecticut has also moved to name an administrator with several possible choices.

Mr. Derdak observed that in all cases the license is always held by the highest political entity, which **is the State.** The department chosen to administer the license serves as "the mailing address." Mr. Crotty confirmed that the Rhode Island State Police would be the administrator in that state. The Chairman noted that the deadline for such appointments is the end of 2001. It seems certain that all administrators within Region 19 will be officially established by then. The Chairman placed some ideas on the **composition of the Committee.** The eligibility for membership could be determined/defined by state and category. The number of members must be decided as well as those who would be "members at-large."

General discussion: The **updated** list of those that are eligible must be confirmed. Public Safety entities such as Fire, Police, EMS, DOT and others must be identified as officially eligible. The Chairman noted that the identified groups must be notified of their eligibility to participate. A list of such groups will be prepared by the Chairman and circulated among the participants for comments.

General discussion: Better effort must be made to notify all with potential interest in the Committee. Meeting notices and committee information must be more widely distributed. Email lists can be also be used for dissemination.

Mr. Carbonell will investigate the development of a list server.

POINT SCORING PROCESS:

The Chairman introduced the subject of scoring the applications for Regional Planning Committee (RPC) approval. He mentioned several of the shortcomings of the present system, the lack of completeness, or misunderstanding of instructions. There is a need for close examination of the process with the intent of streamlining or simplifying it.

There is a current practice in the 800 MHz planning process of returning applications numerous times for data or contacting the applicants for clarification.

OLD BUSINESS:
The Chairman reports that Connecticut has submitted to the FCC an "opt out" of Region 8 statement for the 700MHz planning process. All of Connecticut is now in the New England Regional Planning Process Region 19.

NEW BUSINESS:
The next meeting will be held on **Wednesday, September 26, 2001 at 10:30 AM at a location in Maine.** Mr. Carbonell **moved to adjourn. Carried.** Meeting adjourned 11:20 AM.

Respectfully Submitted

James Warakois, Secretary

Documents distributed to attendees:

- GUIDELINES FOR 764-776/794-806 REGIONAL PLANNING COMMITTEES, NCC Implementation Subcommittee Guidelines, May 10, 2001
- OUTLINE FOR 764-776/794-806 NATIONAL / REGIONAL PLANS, NCC Implementation Subcommittee, May 10, 2001
- Minutes **New England Region 700 MHz Planning Meeting,** Massachusetts State Police Headquarters, Framingham, Massachusetts, Thursday, March 29, 2001

September 2001 Minutes

New England Region 700 MHz, Technical Advisory Committee Meeting
September 26, 2001

List of Attendees: see attachment

The fourth quarterly meeting of the New England Region 700MHz Technical Advisory Committee was held on Wednesday September 26, 2001 at 10:30 AM, At the Municipal Police Headquarters, Scarborough, ME, the Chairman, Vice Chairman and Secretary present. Meeting convened at 10:35 AM.

The chairman called for a moment of silence for the Public Safety workers who lost their lives at the World Trade Center catastrophe.

Order of Business as follows:

1. Moved to ACCEPT the June 20, 2001 minutes (Exhibit I) as distributed. There was no request for changes and no discussion followed. The minutes were **APPROVED** as presented.

The Chairman noted that the **FCC** has formally **approved** the change in Region boundaries allowing this committee to encompass the entire political boundaries of the New England States. The entire State of Connecticut is now in this region. The Commission has issued a PUBLIC NOTICE, which was distributed (Exhibit II).

2. Membership / New Committee Members:
Mark Cady, Worcester, MA, Fire Department has submitted written request to be a member of this committee.

The Chairman referred to a draft document originating with NPSTC, titled Bylaws of Region-- (Exhibit III) and a second document for reference, page 5 and 6 of a plan noted as "Region 8 Plan" (Exhibit IV). Discussion of Exhibit III and Exhibit IV followed.

ARTICLE I
NAME & PURPOSE
The Chairman proposed a formal name for this committee be "The New England 700 MHz Committee." Mr. DiBella suggested the name be "The New England States 700 MHz Committee." The committee voted and accepted a formal name to be "The New England Region 700MHz Committee".

ARTICLE II
MEMBERS
For purposes of this Article, the term "member," unless otherwise specified, refers to both voting and non-voting members.
VOTING MEMBER

Voting members shall consist of one representative from any single agency engaged in public safety eligible to hold a license under U.S**. 47 CFR 90.20, 47 CFR 90.523 or 47 CFR 2.103.** NUMBERS, ELECTION and QUALIFICATION

The Chairman referred to Exhibit V, a table illustrating membership eligibility that would provide equal representation. He noted that the Executive Committee would encompass each State. Every type of Public Safety entity, as defined, would be eligible to hold a seat. A total of ten persons from each state would be eligible for membership.

The chairman noted that the call for membership would be disseminated as widely as possible. Meetings held quarterly, moving from state to state.

Referring to Exhibit V, the Service Categories and eligibility would be Police, Fire, EMS, OEM/FEMA, at-large member and Highway as well as representatives from the coordinating bodies APCO, AASHTO, IMSA, FCCA.

The quorum for a meeting would be 9 eligible members present who are representatives from at least three (3) states of the Region.

A single agency shall be allowed no more than one vote for each distinct eligibility category within the agency's organization or political jurisdiction. No state may represent more than fifty percent of the total quorum for action by a vote.

The Regional Committee shall have two classes of members, "voting members" and "non-voting members." New members may be added at annual, special, or regular meetings. Voting members must attend one scheduled regular meeting annually.

3. **Discussion of Technical Proposal -** by NYS-TEC (New York State Technology Enterprise Corporation), Exhibit VI.

Mr. Zarwanski explained that this proposal suggest the frequency allocation in this scheme would be a pattern of cells established on a nationwide pattern. The Chairman observed that the plan would limit flexibility in the allocation of frequencies at the local level. Others commented that this type of allocation structure does not account for the effects on adjoining states. The predetermination of frequency assignment would deprive certain entities adequate numbers of channels. Mr. Carbonell suggested that members review the exhibit and prepare to comment at the next meeting of the committee.

4. **Procedures Committee** Mr. Jim Kowalik
Mr. Kowalik noted the difficulty of creating exact procedures due to the current structure of the band with the FCC decision to provide State Licenses and possibly frequency block licenses. Combining channels for wide-band use would affect the distribution of channels. The creation of state band managers would also cause delays in local allocations.

Discussion: Block allocation data is not firmly set although spectrum allocations charts and guidelines give some idea of current thinking. State boarder assignments would be handled by

NPSTC. The Region would be getting guidance from others (NPSTC, FCC, Precoordination Database regarding allocation procedures.

5. State licenses
State license applications are in various states of completion. An issue in several states is obtaining appropriate authorization signatures and identifying the holding authority. Mr. Derdak observed that the License will be issued to the State by name and further administration of the license will be determined within that state.

6. Grant Application
The funding has been received and deposited into the account being administered by APCO, Atlantic Chapter.

Mr. Carbonell provided information on the creation of a web page for the 700MHz group. This media would be used for informational and distribution purposes. Server Central (Web page developer) charge would be $84 per year for placing the Web page. All control of the Web site would be under the Committee. The name of the Committee website was discussed and accepted as NER700MHZ.org

Moved by Mr. DiBella: To spend less than $100 annually for a site Committee Web page. **Seconded** and **voted unanimously IN FAVOR.**

7. Committee Meeting Schedule
Moved by Mr. Derdak that meetings of this committee be held on the second Tuesday of the last month of each calendar quarter, which will be March, June, September, and December**.**
The **Annual Meeting** will be held in **SEPTEMBER** and will rotate locations with the normal schedule.

The next meeting will be held on Tuesday, December 11, 2001 at 10:00 am at the Emergency Operations Center, Office of Emergency Management, 645 New London Avenue, Cranston, Rhode Island.

Mr. DiBella moved to adjourn. Carried. Meeting adjourned at 11:55 AM

Respectfully submitted
James Warakois, Secretary

Documents distributed to attendees:
- **New England Region 700MHz Technical Advisory Committee Meeting Minutes**, Wednesday, June 20, 2001 (Exhibit I)
- **FCC PUBLIC NOTICE,** PUBLIC SAFETY 700 MHz BAND- General Use Channels, APPROVAL OF CHANGES TO REGIONAL PLANNING BOUNDARIES OF CONNECTICUT AND MICHIGAN**,** September 10, 2001, (Exhibit II)
- **BYLAWS OF REGION--**, a draft, (Exhibit III)
- **FCC - Region 8 Plan**, (Exhibit IV)
- **700 MHz Membership Eligibility** - Voting, a spreadsheet. (Exhibit V)

- **NYS-TEC, Technical Proposal**, **700-MHz National Pre-Allotment**, August 7, 2001, Version 5, (Exhibit VI)
- **NCC Implementation Subcommittee** Appendix E, SAMPLE BYLAWS OF REGION --, May 10, 2001, IM00029-A-20010510 (PO14-A),
- **Spectrum**, Volume 1, Issue 1, National Public Safety Telecommunications Council

December 2001 Minutes

New England Region 700MHz, Technical Advisory Committee Meeting
Fifth Meeting, Wednesday, December 11, 2001
List of Attendees: See attachment

The fifth quarterly meeting of the New England Region 700MHz Technical Advisory Committee was held on Wednesday September 26 at 10:30 AM, at the Emergency Operations Center, Office of Emergency Management, Cranston, RI, the Chairman, Vice Chairman and Secretary present. Meeting Convened at 10:35 AM.

Order of Business:

1. Moved to ACCEPT the September 26, 2001 minutes (Exhibit I) as distributed. There was no request for changes and no discussion followed. The minutes were **APPROVED** as presented.
   The Chairman reminded everyone that the committee hosts a website that contains; minutes of all committee meetings, future meeting dates and other related information. The Internet address is www.ner700mhz.org. The webmaster is G. Carbonell.

2. **State applications** for spectrum pool frequencies: The states of Connecticut, Massachusetts, Rhode Island, New Hampshire and Maine reported that they have applied for the licenses. The Chairman asked those present from the New England States if they had also applied for the interoperability frequencies. The response was generally that they had not at this time but would consider filing prior to the deadline date. If a filing (letter) were not completed for interoperability frequencies, the interoperability frequencies would be the domain of the committee.

3. **700 MHz FCC Planning Process.** Mr. Bob Schleiman a member of the NCC (National Coordinating Council) gave a presentation that updates the current NCC perspective and anticipated directions. He emphasized current thinking about pool allotments for Public Safety by county area as geographical areas. He discussed the NPSTC database requirements. He explained that the allotments are based on demographics. The responsibility of the regions to develop plans is still paramount. The regions will still have to approve the plans of the adjacent regions.

   Mr. Schleiman briefly noted the effects of terrain on propagation. He discussed the general scheme of allotments based on population density schemes. Interoperability Standards are also of prime importance within the development of the 700MHz plans.

4. **COMMITTEE REPORTS:**
   Bylaws committee: G. Pohorilak presented a draft document BY LAWS OF THE NEW ENGLAND 700MHZ COMMITTEE/REGION 19 (exhibit II). The group at the suggestion of the Chairman decided that the draft document be studied by the committee members until the next meeting where further discussion and action will be taken.

Procedures Committee: J. Kowalik presented an outline of information and items that must be finalized by FCC decisions. The development of procedures for dealing with applicants for 700 MHz spectrum can proceed. (Exhibit III) In summary, he noted multiple entities in each state will have input into the actual assignment of spectrum and the ultimate frequency distribution responsibility is unclear at this time. His recommendation is to monitor closely the development of technologies and the FCC creation of standards and procedures.

The Chairman suggested, in spite of the haziness of the FCC procedures and specifications the development of a Regional Plan must move forward subject to editing as the FCC adopts specific procedures and technical specifications.

NEW ITEMS FOR DISCUSSION:
A question was raised on the process for new committee membership and the Chairman indicated the question was premature since the bylaws have not yet been finalized and approved.

Moved to adjourn at 11:25 AM.
Motion **carried** by voice vote.

The next meeting will be held on March 12, 2002 at the Connecticut DOT, 280 West Street, Rocky Hill, CT at 10:00 a.m.

Respectfully submitted
James Warakois, Secretary

Documents distributed to attendees:

- **New England Region 700MHz Technical Advisory Committee Meeting Minutes, Tuesday**, December 11, 2001. (Exhibit I)
- **DRAFT, BYLAWS OF THE NEW ENGLAND 700MHZ COMMMITTEE /**
- **REGION 19.** (Exhibit II)
- Procedures Committee Report. , 700 MHz Technical Advisory Committee, New England Region 19, James Kowalik, chairman.

March 2002 Minutes

700 MHZ, TECHNICAL ADVISORY COMMITTEE MEETING
Tuesday, March 12, 2002

The sixth quarterly meeting of the New England Region 700MHz Technical Advisory Committee was held on Tuesday March 12, 2002 at 10:30 AM, at the Connecticut Department of Transport, Rocky Hill, CT, the Chairman, Vice Chairman and Secretary being present. Meeting convened at 10:40 AM

Each of the attendees introduced themselves.

Order of Business.

1 APPROVAL of Minutes (Exhibit I)
Those present were advised of one correction to the Website address in the minutes. It was voted to ACCEPT the minutes of the December 11, 2001 meeting as corrected.

2 BYLAWS APPROVAL (Exhibit IIA)
The Chairman presented the Draft of the proposed bylaws. He made one suggested change to allow a mechanism to fill a vacancy in a State's representation on the committee. The change will read as:

> F. Each representative state organization will appoint members from their respective states. If a state organization does not appoint a member, to the 700MHz Committee, that state slot may be filled with additional members at large. Individuals, from eligible categories, may apply to the committee for vacant at large positions.

Mr. Gustafson desired clarification of "representative state organization". The chairman defined it as an organization such as APCO, AASHTO, IMSA..., which would send a representative to be a member of the committee. A variant would be members chosen by the respective police, fire, emergency services as statewide representatives.

Moved by Mr. Carbonell and seconded that the Amendment to the proposed Bylaws (Exhibit IIB) be inserted into the Proposed Bylaws Section 2.9, Committee /quorum/voting: VOTED unanimously to approve the amendment as presented.

The Chairman requested approval of the Bylaws as written with the accepted change. There was no further discussion of the Proposed Bylaws.

Moved by G. Carbonell to approve the Bylaws as presented. The motion was seconded. Being no further discussion the chairman called for a vote. VOTED unanimously to ACCEPT THE BYLAWS AS PROPOSED.

The Chairman discussed how those persons qualified and wishing to be officially on the committee would be made known to their affiliate agencies. He stated that he would send a letter requesting confirmation of membership to their affiliate agencies of those people present who are

qualified and wish to serve on the committee. Letters will be sent to other qualified organizations seeking appointment to the committee.

The Chairman moved to item 4 in the agenda. Saving item 3 for discussion later in the session.

4 State License Update
Two documents were distributed to those present. They were the January and February 2002 issues of THE COMMUNICATOR, Motorola news flyer. These contain the results of various States applying for Licenses in the 700MHz Band according to the FCC request. (Exhibits III and IV). Vice Chairman Zarwanski explained that this listing is for the 2.4 MHz segment designated for State use dispersal.

5 NCC Update
A news clipping was distributed (Exhibit V) which outlines current steps in the progress of H.R.3397, The homeland Emergency Response Operations Network (HERO) Act. An act to free 24 MHz of radio spectrum to state and local emergency responders.

6 FCC Update
Mr. Carbonell noted that the ULS system is now using the CORES numbers instead of the tax number identification. A positive result of the FCC's interest in the 700 MHz band is the continued formation of Regional 700 MHz groups.

7 Grant Status
As previously noted this committee has received grant money. Current expenses are for the annual fee for the website. Other uses for grant money will be for: publication of information about the activities of the committee and distributed to government agencies in the region; professional groups and individuals interested this Committee's activities. A request for funding allocation of this publication will be forthcoming.

8 2002 Meeting Schedule
The next three meetings have hosts and locations. Agendas will be provided prior to the meetings.
2002 Meeting Dates and Locations For The New England 700MHz Regional Planning Committee

- June 11, 2002 - New Hampshire State Police, Headquarters 1st Floor Conference Room, Manchester, NH
- September 10, 2002 - Massachusetts State Police General Headquarters, 470 Worcester Road, Framingham, MA
- December 10, 2002 - Springfield State Office Building, Springfield, VT

The directions to these locations will be posted on the committee website along with the meeting dates.

3 PLAN DEVELOPMENT
Distributed to those present was the DRAFT Plan for the State Of Missouri (Exhibit VI). The chairman noted that the State of Missouri Draft Plan and the NCC guidelines provide good insight as to the steps necessary in the evolution and organization of a Regional Plan. Sections

of the Missouri draft plan were discussed and comments were addressed. Sections of the Missouri draft plan could be applicable concepts in the New England 700MHz Plan.
Mr. Kowalik noted that the subcommittees would serve well to add specific specialized detail to the total plan. The Chairman noted that the experience gained by the 800 MHz Committee can be helpful in streamlining the 700MHz process.

A General Discussion was held.

The concept of "Band Manager" was discussed. This person would interface with the Committee and provide safeguards against mis-allocations of spectrum resources.

Technical requirements have become much more complicated resulting in delays of processing the applicant information. This may require pre-application meetings to define and resolve potential problems. Various scenarios were discussed in an effort to identify potential impediments to the flow of application approval.

A comprehensive review of applications will be necessary with proof of performance by the applicants. A multi-step process will be necessary to proceed in an orderly manner.
Mr. Kowalik noted that the guidelines provided in TSB88 must serve as the reference source for the applicant's systems.

Chairman Pohorilak observed that acceptance of applications have been on a window basis. Discussion was held concerning the time-scale of the process.

Msr's Carbonell and Derdak discussed the issue of applicant certification and financial disclosures. Dispute resolution and an appeal process must be created. Various procedures must be explored.

Interoperability channels. The NCC guidelines recommend that the tactical and calling channels be dealt with carefully.

The Chairman emphasized that a draft of the procedures will be placed on the website for study prior to the next meeting.

The chair entertained a motion to continue this discussion at the next meeting. Moved by Mr. Carbonell and seconded that this discussion be continued at the next meeting. Voted unanimously in favor to suspend the discussion until the next meeting.

NEW Business
Gordon Shand questioned whether any of the new applicants would be giving up any of their 800 MHz frequencies when the new 700 MHz channels are available. He then readdressed his question as whether new equipment will be available to cover both frequency bands. He was told the radio vendors will be market driven to make equipment available. He noted that he attends many meetings and finds that there are many viewpoints of what emergency communications is and how it should be applied to their perception of an "emergency." This ranges from complex

high tech systems to the use of PCS devices. He wonders who are the "point persons" in education of the public?

Motion by Chairman to adjourn the meeting. Moved by Carbonell to ADJOURN the meeting. Seconded. The motion was CARRIED.

Adjourned at 1223 PM

Respectfully submitted
James Warakois, Secretary.

Documents distributed to attendees:

- New England Region 700 MHz Technical Advisory Committee Meeting Minutes, December 11, 2001 (Exhibit I)
- DRAFT, BY LAWS OF THE NEW ENGLAND 700 MHZ COMMITTEE/ REGION 19, (Exhibit IIA)
- DRAFT, LANGUAGE FOR MEMBERSHIP SECTION OF BY LAWS, (Exhibit IIB)
- The Communicator, a publication of Motorola Inc., February 28, 2002, (Exhibit III)
- The Communicator, a publication of Motorola Inc., January 31, 2002, (Exhibit IV)
- A magazine article, Legislation Introduced to Free Radio Spectrum for First Responders, Source unknown, (Exhibit V)
- DRAFT, REGIONAL PLAN FOR THE STATE OF MISSOURI, Region 24 700 MHz Regional Planning Committee, (Exhibit VI)

June 2002 Minutes

New England Region 700MHz Technical Advisory Committee Meeting
Seventh Meeting Tuesday 11 June 2002

The seventh quarterly meeting of the New England Region 700MHz Technical Advisory Committee was held on Tuesday, June 11,2002 at 10:00 AM at the New Hampshire Department of Public Safety , Concord, NH

The meeting was convened at 10: 18 AM.
The Chairman, Vice Chairman and Secretary present as well as 28 others in attendance

Order of Business:

1. Moved to ACCEPT the March 12, 2002 minutes as distributed. Seconded and CARRIED by unanimous vote.

2. The chairman announced that letters soliciting candidates for membership according to the Bylaws have been sent to all of the eligible categories throughout the New England States. Returns for permanent members returned as of this date include;

State	Affiliation	Name
Connecticut	Office of Emergency Management	Tom Walsh
Massachusetts	Executive Offices of Health and Human Services	Elliot Derdak
Connecticut	Division of State Police	Mike Stemmler
New Hampshire	Division of State Police	Jim Kowalik
Massachusetts	Emergency Management	Tom Muise
New Hampshire	Emergency Medical Services	William Wood
Massachusetts	Highway	Arthur O'Brien
New Hampshire	Emergency Management	Mead Herrick
Rhode Island	FCCA inquiry from Paul Leary	
Connecticut	Department of Health	Gordon Shehan
Connecticut	Fire New Haven CMED	John Gustafson

APCO International -Florida received letters for State appointment for membership which have been forwarded to Mark Poole, Atlantic Chapter President. He will be making a decision for how APCO will appointment an eligible state member. The Chairman proposed the choice of an At Large member. Bill Mansfield, Nashua, NH Police Department has expressed an Interest In becoming a committee member.

MOVED and SECONDED that Bill Mansfield be made the At Large committee member for New Hampshire.
VOTED to AFFIRM Bill Mansfield, Nashua New Hampshire, Police Department is the At Large member from New Hampshire.

3. PLAN DEVELOPMENT:
The Chairman referred to information distributed to the group at the opening.

This will serve to become sections of the plan. Much of this information is from the National Coordination Council (NCC).

First is a table of interoperability channels generated by the NCC. This shows the suggested interoperability channels. (Exhibit I)

Second is a template of a Memorandum of Understanding that affirms the applicant's willingness to comply with proper use of designated Interoperability Channels. (Exhibit l)

Third is a sharing agreement template (Exhibit III). This document would be used to formally acknowledge the operation of units from other agencies on the frequencies licensed to the Agency holding the FCC operating license.

Fourth is a sample agreement that delineates the method of dispute resolution (Exhibit IV).

Fifth was document showing the population profile of New England and is broken down by further by county population by state. (Exhibit V)

4. PROCEDURES

Jim Kowalik discussed the proposed procedures at length. The topics included the basic direction the formulation of procedures could take based on current information. The NCC guideline is used for guidance but not the only possible reference. Jim has reviewed most of the relevant documents available on the Internet. There appears to be two options: One plan is outlined by the FCC where the authority lies with the Regional Planning Committee (RPC) over general use spectrum. The Interoperability Committee has control over the shared interoperability frequencies. The State Band manager would control the state-licensed spectrum. The Reserve Spectrum would be under the RPC.

Page 6 of this exhibit (Exhibit VI) proposed option 1 is similar to NCC suggestion. First review by committee, then send to coordinators for review and acceptance.

Option 2 proposes the Regional Planning committee first performs evaluations prior to submitting information for frequency selections to the pre-coordination database and the RPC would conduct all of the evaluations of technical parameters.

A discussion evolved for the proper steps and sequence of questions to be addressed by the Committee when processing an application.

Bill Topliff requested consideration of the multiple steps involved in obtaining frequencies for an 800 MHz system. Mr. Zarwanski indicated that, in the case of the Region 19, 800 MHz RPC the data base can be searched and information provided to frequency availability which can be made available to potential applicants. It could be possible to do the same with the 700 MHz applicants.

Mr. Kowalik noted that pre-coordination would be necessary to smooth the development of systems without causing conflict between applicants co-channel and adjacent systems. Geographic licensing would be based on the prioritization of the traditional functions of police, fire, and EMS.

Mr. Warakois noted that another entity might be developed in the form of "homeland security." The chairman noted that the committee is currently bound by the definitions promulgated by the FCC.

Mr. Kowalik noted that the concept of the 700 MHz band seems to be directed toward more wide area systems.

Further discussion was directed toward the history of the 800 *MHz* evaluations. The result of the current methods was reviewed with regard to the effect of the weighting process on the final decisions.

The summation of the discussion pointed out that the importance of each category is It reflected on the type of incident activity being described.

Frequency give back was discussed. The various scenarios of lapsed, forfeited, and promised giveback were discussed.

Mr. Kowalik noted that his second option had more validity and further thought and discussion would focus on that path.

Mr. Carbonell emphasized that preliminary decision for any frequency allotment should be focused on the service area proposed. This "footprint" would constitute a specific area of coverage in the award of frequencies

Discussion turned to the requirement of applicants to demonstrate :that system signal coverage would not exceed the service area although past practice has been to prove adequate signal within the operating area. This creates a double set of signal boundaries that must be in compliance with the agreement to some specified degree.

Mr. Kowalik noted that the system performance is gauged with respect to the requirements ofTSB-88-A and similar accepted documents. In final approval of frequency selection the requirement will be to control extraneous signal and potential interference.

5. STATE LICENSING UPDATE

The chairman noted that all of the Region 19 states have filed for licenses as required in the current scheme development. A State Interoperability Executive Committee has been proposed by the State of New Hampshire. The other states in the region have no formal committees developed.

6. NCC UPDATE

No new information is available for presentation at this time.

7. FCC UPDATE
The Chairman updated the committee with FCC proposed guidelines for TV broadcasters to vacate the 700MHz spectrum.

8. NEW BUSINESS
No new business was presented.

MOVED TO ADJOURN. SECONDED AND CARRIED. The meeting was adjourned at 11:30 AM

Respectfully submitted
James Warakois, secretary.

Documents distributed to the attendees

- Exhibit I -Table of Interoperability Channels for Specific Users/Services
- Exhibit II -Memorandum of Understanding Template
- Exhibit III -Sharing Agreement Template
- Exhibit IV- Regional Committee Dispute Resolution Process
- Exhibit V- New England Region Listing by States, Counties and Cities
- Exhibit VI -FCC Region 19 New England Regional Planning Committee 700 MHZ Channel Application Procedure

September 2002 Minutes

New England Region 700MHz, Technical Advisory Committee Meeting
Eighth Meeting, Tuesday 10 September 2002
List of Attendees: See attachment

The eighth quarterly meeting of the New England Region 700 MHz Technical Advisory Committee was held on Tuesday, September 10, 2002 at 10:30 AM at the Massachusetts State Police Headquarters, Framingham, MA
The meeting was convened at 10:30 AM.

The Chairman, Vice Chairman and Secretary were present.

Order of Business:

1. Moved to ACCEPT the June 11, 2002 minutes as distributed. Seconded and CARRIED by unanimous vote.

2. MEMBERSHIP
The Chairman noted that the committee is awaiting documents from Rhode Island confirming Tom Crotty's appointment as Rhode Island Police Representative. The committee is awaiting documentation from the President of APCO, Atlantic Chapter naming the APCO Frequency advisors to the Committee. Angela Bean, is the new VT APCO Advisor and will be the Vermont APCO representative. States that have not responded by appointing various committee members will be contacted again.

The Chairman's position as a committee member will be as "member at large" from the State of Connecticut. The Chairman asked if there is any objection to placing member's names and which state they represent on the Committee website. NO OBJECTION voiced from the members present.

A binder containing official documents of the committee was provided to all current members. Updates and additions will be provided, as available.

3. STATE UPDATE
All of the States of Region 19 have chosen to handle their own assignments of the "state" frequency allocations. The Committee will perform the assignment of "interoperability channels" for Vermont, all other states will perform their own. The Region 19 Committee will review all "state" and "interoperability" frequency assignments to prevent conflicts between those various States. The structure of this review/monitoring of the state/interoperability frequency assignments is open at this time.

Mr. Sutherland suggested that the Region 19 committee Chairman visit with each state's licensee holder and present the committees view on respective state/interoperability border assignments. MOVED, by Mr. Carbonell and SECONDED by Mr. Sutherland that: The Chairman of the Region 19 (700 MHz) Committee be directed to visit each of the respective State Interoperability

Committees with the intent of coordination of their efforts regarding avoidance of frequency assignment conflicts.

APPROVED by all (voice vote).

4. PSWN UPDATE
The document from the Public Safety Wireless Network entitled Public Safety Radio Frequency Spectrum Digital Television Transition Status Update, dated, January 2002 was distributed for review and comment.

5. NCC UPDATE
The database of frequencies related to this band plan is created and maintained by the NCC. There is a request on the floor for a person from this planning committee to select and maintain the frequency assignment database. Training will be offered to the selected candidate through Regional Planning Committee funds. Training is offered in October, November, and December. It is the Chairman's feeling that the person chosen should be experienced in frequency coordination. Mr. Carbonell suggested that there be a primary and backup person trained in operation of the database software. Mr. Kowalik offered to be the primary and Mr. Carbonell volunteered to be the backup. There will be further discussion of the roll of Database Manager at later meetings.

6. FCC UPDATE
The Chairman introduced Vincent Kajunski, Chief of the Boston FCC office.
Mr. Kajunski briefly discussed the Commercial and Public Safety aspects of this band allocation. He pointed out issues within the commercial auctions and noted that several interests may be participating. He noted some on the participants on the commercial side were expected and some were totally unexpected. He noted that the Public Safety Regional Committees have been endorsed by the FCC for frequency selections and dispute resolutions.

7. PLAN DEVELOPMENT
Application Procedure
The committee discussed the document distributed to the committee, FCC REGION 19 NEW ENGLAND REGIONAL PLANNING COMMITTEE 700 MHz CHANNEL APPLICATION PROCEDURE

The section "Authority of the Committee" should be entered under Section One of the document. The next paragraph "As of this date..." should be part of Section 4.

Mr. Kowalik explained that " Application Windows", is derived from the 800 MHz plan. The Chairman questioned whether the "window" process would be valid for the 700 MHz process. He observed that other Planning Committees have evolved into a free flowing application system without specific openings as in Region 19, 821MHz practice. Mr. Carbonell noted that windows with date certain allow for more orderly flow of applications.

The current schedule of quarterly Committee meetings would lend itself to a self-enforcing progress toward granting frequency allotments. Subsequent scheduled meetings would serve as deadlines for evaluation and discussion.

The deadlines for applications would be one month before the next committee meeting thus making the action dates more predictable.

The number of copies of the applications would be the burden of the applicant. The quantity was temporarily set at twenty.

"Application Procedures"
Mr. Kowalik discussed the source of authority granted to the Regional Committee for evaluating various States' Plans. During discussion several participants emphasize the oversight function of the RPC. This would be necessary along border areas where the plans of adjacent states would have to be harmonious with respect to interoperability. The interoperability with Federal entities will also have to be considered.

Mr. Kowalik noted that technical parameters are not fixed at this time because FCC requirements have not been delineated.

The Scoring method for applicant qualification was discussed. Various historical debates were reviewed. The rating method using points was generally accepted. The assignment of values and the weight of factors were discussed without a conclusion at this time. Further study of the methods will have to be viewed with objectivity based on previous historical practice with the 800 MHz Plan.

Technical Standards
Mr. Kowalik noted that the EIA/TIA 8.8 technical methods are the general standard. He noted that other technical parameters are being considered for other radio services and these might affect the current standards.

Mr. Zarwanski offered that various models of system efficiency could be chosen as standards for acceptance. Technical parameters will have to be chosen by the committee. These methods will have to be universal to all of the coordinating agencies.

MOVED by Mr. Carbonell to purchase two copies of the TIA/EIA 8.8 for further use by the committee. The expenditure for two copies APPROVED by the general committee.

A primarily TECHNICAL COMMITTEE was formed consisting of J. Kowalik, G. Carbonell, J. Zarwanski, J. Warakois, and others as appointments are made. This sub-committee will review the EIA/TIA 8.8 standard and offer recommendations within the Region 19 application process.

8. NEW BUSINESS
Previous discussion of training for NCC database.

Mr. Carbonell requested annual funding for the website, this is an annual expenditure for website name maintenance. He also explained how anonymity would be preserved within the website using the list-server for committee work.

MOVED TO ADJOURN. SECONDED AND CARRIED.

The meeting was adjourned at 12:13 PM

Respectfully submitted
James Warakois, secretary.

December 2002 Minutes

New England Region 700 MHz
Technical Advisory Committee Meeting
Tenth Meeting
Tuesday 10 December 2002

List of Attendees: See attachment

The tenth quarterly meeting of the New England Region 700 MHz Technical Advisory Committee was held on Tuesday December 10, 2002 at the State Office Building in Springfield, Vermont.

The meeting was convened at 10:33 AM
The Chairman, Vice Chairman and Secretary present. Others in attendance introduced themselves.

The Chairman noted the lack of representation from the State of Vermont.

Order of Business:

1. Moved to **ACCEPT** the September 10, 2002 minutes as distributed. Seconded and **CARRIED** by unanimous vote without discussion.

   The Chairman noted that additions and changes to the "New England 700 MHz Regional Plan" (now in a green binder) would be made available to committee members by way of the committee website.

   MEMBERSHIP a review of the membership list included adding **Mr. Greg Richardson, Boston Fire Department. (Representing the MA State Fire Marshal)** A question arose as to the Mass. State Police representative. Blair Sutherland is the official representative. John Pinkham**,** (MA State Police) was present representing Sutherland.

   The Chairman distributed a calendar of all meeting dates for the foreseeable future. He noted that the next meeting, March 11, 2003 will be held in **Gray, ME.**

   Mr. Carbonell inquired whether e-mail addresses could be posted on the website. He noted that a listing of the committee members would be beneficial in answering questions by license applicants.

   State Licensees. There is no new information. Most of the holders are members of this committee.

   NCC UPDATE
   At this time there is no new information being distributed by the NCC.

FCC UPDATE

The Chairman distributed printed information regarding the progress toward HDTV and other digital modes. Discussion on the possibility of Congress creating a "date certain" for conversion of TV channels to HDTV would remedy the 700 MHz spectrum to be freed for use.

PROPOSED the Committee craft a letter to be sent to appropriate Congressional delegations stating the need for progress on the issue of making the 700 MHz frequencies available to Public Safety users. **MOVED,** the **Chairman is directed** to write such a letter, circulate among the committee members for comment for subsequent delivery to the appropriate Congressional Delegations and Cabinet members. **SECONDED** and **PASSED.** The Chairman is so directed.

PLAN DEVELOPMENT

Changes to the current Regional Plan were distributed.

Discussions of page 8-1 "Regional Interoperability (I/O) Channel Usage" allocations. Several committee members observed that interoperability channels were allocated to specific services rather than for mutual intercommunications. This reverts to the current practice of the services being isolated from each other.

Other existing systems and frequency bands must also be considered in the development of the new plan. Various other State plans were discussed.

Application Procedures (Section 9)

Changes will be incorporated before the next meeting.

Scoring Matrix.

Various forms of the matrix concept have been adopted in different Regions.

There have been several flaws identified in the matrix used by Region 19 as it is now used for the 800 MHz application evaluations. It was intended as the prioritization tool to objectively weigh the merit of the various applicant applications. The intent was to provide a tool to score objectively applications. According to the Chairman no applicant has ever been denied a frequency assignment on the basis of the scoring matrix. The result has been to give the highest score within the window period the first position in the assignment of frequencies.

Some of the categories in the Matrix table have given fractional numbers that have no affect on the scoring process.

The assignment of numeric weights to different services ignores the fact that the nature of the incident tends to dictate which service assumes the predominant roll.

The Chairman noted that a discrepancy in weighting a service is obvious when, for example Fire or Police are rated higher than another service and then in the face of and incident the service provided by the lesser rated service becomes the predominant service for that particular incident.

Mr. Derdak with Mr. Carbonell noted that entities that are purely governmental should be scored higher that those that can also fall in the realm of services which can file under other FCC parts. They also noted that genuine need must be identified in the process and frivolous applications must be filtered.

Mr. Zarwanski observed that the values derived through manipulating population, area serviced, geography etc. has resulted in the fractional results that were insignificant in the total matrix evaluation.

A brief discussion of the inadequate results of "frequency give-back."
The Chairman called for careful examination of the NCC criteria and asked for careful consideration and suggestions of needed changes. There will be further discussion at the March meeting.

OLD BUSINESS

CAPRAD Training

Mr. Kowalik and Mr. Carbonell will attend the training in January. The class will be held for three days in Denver, CO. Mr. Kowalik will present an estimate of expenses.
Funds will be taken from the Committee Allotment.

Budget Report

The current balance of granted funds is two thousand, one hundred dollars ($2100.00).
Approximately $2,000.00 will be used for the CAPRAD training
Miscellaneous expenses and web site fees will deplete most of the remainder.

Web Site

Mr. Carbonell discussed the security aspects of the web site. He also discussed various schemes that would make the site more useful for Committee work. He requested approval to set up a list server for the Committee. **Granted** by the Committee.

MOVED to adjourn meeting. **Unanimous vote to adjourn. 12:16**

Respectfully submitted

James Warakois, Secretary.

March 2003 Minutes

New England Region 700 MHz
Technical Advisory Committee Meeting
Tenth Meeting Tuesday
11 March 2003

List of Attendees: See attachment.

The tenth meeting of the New England Region 700 MHz Technical Advisory Committee was held on Tuesday March 11, 2003 at the Maine State Police -Troop B Barracks in Gray, Maine.

The meeting was convened at 10:00AM
The Chairman and Vice Chairman were present. The Secretary had informed the Chairman in advance of his absence and the Vice Chairman, Jerry Zarwanski took minutes.

The Chairman, George Pohorilak requested everyone present introduce themself.

Order of Business:

1. Minutes
A correction was pointed to the Chairman that the last meeting was the ninth and not the tenth meeting. Jim Kowalik motioned to ACCEPT the December 10, 2002 minutes as distributed with correction to ninth meeting. Seconded by Steve Brown and CARRIED by unanimous vote.

2. Membership
The Chairman indicated that every state except Vermont has membership on this committee. Letters were mailed to Vermont as well as all the other New England States and there has been no official response from VT. The Chairman indicated that , CT State layoffs have affected his ability to visit the "700 MHz State License" holder in the New England States. The layoff of the Chairman's two Connecticut staff members and restrictions in out of State travel has restricted visits and research and distribution of 700MHz correspondence.

3. State Licensees Update.
There is no new information. Most of the holders are members of this committee. In Connecticut the Governor has offered an early retirement incentive. Frank Aiudi from DOIT (CT 700MHz License holder) who has been attending the 700MHz meetings is strongly considering retiring. Chuck Welch from NH OEM indicated Meade Herrick is retiring and he would be the new representative from NH OEM.

4. NCC UPDATE:
At this time there is no new information being distributed by the NCC.
Two members of this committee, Jim Kowalik and George Carbonell flew to Denver, Colorado for CAPRAD (Computer Assisted Precoordination Resource and Database System) Training and

will update the committee further once the agenda item is reached. The Chairman indicated there is approximately $700 remaining in the budget for 700MHz planning.

5. FCC UPDATE:
The Chairman indicated there was really nothing new to report and eventually he would craft a letter to be sent to appropriate Congressional delegations stating the need for progress on the issue of making the 700 MHz frequencies available to Public Safety users. Bob Cruikshank - Motorola informed the committee he has a list of Congressional delegates that sit on the 700 MHz Committee. He also indicated some action the committee may pursue with the FCC/Congressional delegates to expedite the use of 700MHz frequencies for Public Safety.

The Chairman also indicated that at some future date he may send letters to the Governors of the New England State or meet on the topic of 700MHz. At this time, he cannot even meet with the CT Governor because the Governor has other significant issues such as State budget and Departmental issues.

George Carbonell addressed the 85% penetration rule and some discussion took place but the bottom line is there is no change in the ruling.

6. CAPRAD
Jim Kowalik spoke on the training that took place in Colorado and indicated that the r online system is a tool for sorting and allocating frequencies in 700MHz. The 700MHz frequencies have been pre allotted on a county basis through out the United States. The Development of a State or regional plan would either adopt the pre-allotment, refine it or supercede the allotment. California has adopted a 6.25 distribution and Missouri is adopting a cellular technology distribution approach.

George Carbonell presented a Power Point presentation on CAPRAD which addressed: accessibility and rights into the online system; Technical system features and hardware; Placement of Regional Plans, Applications and Database Information on the online system. George Carbonell also handed out a CD which introduces the CAPRAD system.

The Chairman motioned we adopt the CAPRAD system as part of the Regional Planning process. Seconded by Steve Brown. Carried by unanimous vote.

The Vice Chairman addressed the issue of interference criteria and what has been technically adopted. Mr. Carbonell indicated that a field strength/contour of 50Dbu is considered and any contour cannot exceed a county by five miles. As to Interference criteria, nothing has been adopted. The Vice Chairman asked what would happen if States/Regions adopted different standards and boarder issues arise. Mr. Carbonell indicated there is a need to reach out to the different States/Regions and address these issues.

7. PLAN DEVELOPMENT
Scoring Matrix.
Attached to the Agenda was four available scoring matrix tables for discussion. The first, existing 821MHz scoring matrix, the second, NCC 700MHz adopted scoring matrix as provided

in the green binder (700MHz NER Plan), the third, a newly developed scoring matrix and the fourth, a version of the third with the top category , Service, modified. The Chairman discussed each and the members present questioned the differences in each of the scoring matrix. The deciding factor on which scoring matrix should be chosen is the objectivity of scoring rather than the subjectivity. The Chairman asked for a response from each member in a month as to the best scoring matrix for 700MHZ.

8. New Business/Comments
None

The Chairman indicated the next meeting will be held in Rhode Island on June 10, 2003 at 10:00 AM at a site still to be determined.

The Chairman MOVED to adjourn the meeting. Seconded by Carbonell. Unanimous vote to adjourn. 11:42AM

Respectfully submitted
Jerry Zarwanski, Vice Chairman.

June 2003 Minutes

Meeting of the New England Region 700 MHz Technical Advisory Committee
Tuesday , June 10,2003

The meeting convened at 10:10 AM
Present were the Chairman, Vice-Chairman, Secretary. Attendees signed attendance roster that was passed around

The Chairman referenced the Agenda and the following items were discussed:

Approval of the minutes of the previous meeting held March 10,2003.
Moved by G. Carbonell, seconded by S. Brown that the Minutes the meeting of March 10 2003 be accepted. Accepted by unanimous voice vote.

Membership Report:
The chairman reviewed the Current membership of the committee and the members present. He noted that participation by Vermont has been minimal. There was no Vermont representation at the recent Vermont meeting. Chairman Pohorilak indicated he would continue to seek Vermont members for the committee.

The chair addressed the need to take initiatives on a state level to begin planning for the use of 700MHz spectrum. He requested that state representatives report on any activities of the Region Nineteen member States in meeting or planning for 700MHz use.

Connecticut: The Chairman addressed Connecticut and indicated the Department of Information & Technology (DOIT) has lost a number of persons due to statewide layoffs. DOIT holds the State License and has not initiated any formal meetings or begun the planning process.

The result of the layoffs has impacted all state agencies including the Department of Public Safety. Losing two employees in the Chairman' s office has resulted in less time available to visit and contact other States regarding the survey and planning of Interoperability and State use of 700MHz

In Connecticut an 800MHz Interoperability Committee has been formed and has purchased and distributed 800MHz radios with grant money. These ICAL/IT AC radios will be used in Connecticut under the Region 19 Interoperability Plan and the Connecticut State Police have a network in place to provide Statewide coverage. The State is also applying for additional monies for control stations and radios. The Office of Emergency Management has purchased 20 trailers equipped with interoperability repeaters and a cache of radios. To date approximately 12 trailers have been accepted and distributed statewide.

Rhode Island: No report of activities.

Massachusetts: Mr. Sutherland noted that the Executive Council of Public Safety has formed the State interoperability plan committee progress is being made in identifying key related needs.

New Hampshire: Mr. Kowalik reported that numerous State agencies are being combined to form a multiple disciplined agency to oversee 'Homeland Security'. The exact form of this agency has not been resolved.

Vermont: No report

Maine: No report.

NCC Update.
The chairman reported that the Department of Justice (DOJ) federal budget allocation has changed and monies are not now allocated to specific departments/projects but to the Department. DOJ project funding for CAPRAD might be challenged by reorganization and budget appropriations. He questioned how this would affect the future use of CAPRAD.

FCC Update - No 700MHz issues were raised

The Committee Discussed:

-Public Safety system overload during planned and unplanned events. Public Safety Agencies have complained that their systems become overloaded during any type of event and there is a need for additional spectrum in all bands. Commercial systems experience the same problems during events and the problems multiply once the media arrives. Officer safety is jeopardized once a system experiences overload.

-FCC rulings on 4.9 GHz and effect on Public Safety. The FCC is making 4.9GHz available within the next few weeks once the report and order is published. All public Safety entities are eligible to license all 50MHz of spectrum. The equipment does not exist at this time but the technology is known as "Mesh Network". More information to following in the next meetings

The Chairman noted from the Report and Order -Item 16 of FCC 03-99."The 4.9 GHz Band Transferred from Federal Government Use" The 700 MHz RPUC's will have to develop a 4.9 MHz plan in addition to the 700 MHz plan.

-The effect of licensed spread spectrum on public safety communications. Noted that there are very few spread spectrum applications pending since there are limited number of spread spectrum frequencies. Commercial spread spectrum operations interfere daily with Public Safety operations.

-CAPRAD training for additional com it tee members.

APCO is providing CAPRAD training prior to their annual conference in Indianapolis, IN. Any member is welcome to attend a their own expense. Mr. Kowalik indicated that he would attend the class. Mr. Carbonell noted that some sort of coordinating fee could help support the local committee expenses.

Plan Development
The options for a scoring methodology were discussed. The Chairman noted that previously distributed Options A and B had the most responses. The Chairman discussed Option A in length and Mr. Zarwanski pointed out some specifics in Option B.

The details of eligibility were discussed at length. The definition of Categories was discussed at length. E. Derdak noted that entities that are eligible on other services should have a lower scoring/rating. He gave examples of bus companies and utility companies.

A motion was raised to adopt plan A was MOVED by J. Warakois seconded by B. Sutherland. Vote by show of hands to accept this portion of the plan as presented. Plan A of the scoring scheme was ACCEPTED by show of hands (12 in favor, 1 opposed.)

New Business:
Next meeting is scheduled in Connecticut at CT Fire Academy, Windsor Locks, CT , September 9,2003, 10:00a.m.

The December meeting will be held Concord NH, December 9th.

Mr. Kowalik discussed 'Self-promotion" of the RPUC: The website should present our mission statement. Mr. Carbonell indicated he will draft an overview and present it to the committee at the next meeting.

Moved for adjournment, Carried. Meeting adjourned 12:15 PM.

Respectfully submitted
Jim Warakois, Secretary

Documents distributed:

- FCC 03-99 The 4.9 GHz Band Transferred from Federal Government Use, Wt docket No.00-32 MEMORANDUM OF OPINION AND ORDER AND THIRD REPORT AND ORDER, Adopted: April 23, 2003 Released May 2, 2003
- A copy of a Power Point Presentation, by Bob Speidel, June 6 2003, regarding 4.9 GHz rulings by the FCC.
- Associated Press, Thursday, May 29, 2003, "State of Maine. System upgrade with new technologies."

September 2003 Minutes

Meeting of The FCC Region 19 700 MHz Technical Advisory Committee
Tuesday September 9, 2003
Connecticut Fire Academy, 34 Perimeter Road, Windsor Locks, CT

The meeting was call to order at 10:00am.
Present were the Chairman, Vice-Chairman, and Secretary. Attendees signed the attendance roster that was passed around.

Approval of Minutes-June 10, 2003
The chair provided copies of the agenda and previous meeting report. **Moved** by G. Carbonell and **Seconded** by Steve Brown that the minutes of the meeting of June 10, 2003 be approved. The previous meeting minutes was approved by consensus.

Membership
The chairman stated he will continue to request participation from those states that still need representation in this committee. Vermont has had no participation in this committee for several years.

The next meeting will be on December 9, 2003 at State Police Headquarters, Concord New Hampshire. Directions will be placed on the website at ner700mhz.org.

According to the committee's bylaws there should be an annual election at the fall meeting (this meeting). The Chairman announced that any person wishing to be a candidate for any of the three positions **Chairman, Vice Chairman** and **Secretary** should make their candidacy known. No response was heard. G. Carbonell **moved** that the incumbent Chairman, George Pohorilak, Vice Chairman, Jerry Zarwanski and Secretary Jim Warakois continue in their positions for the coming year. **Seconded** by Steve Brown and **Voted unanimously** to continue the current leadership.

State Update
Connecticut is attempting to form a State Executive Interoperability Committee (SEIC). The Connecticut committee has been distributing 800 MHz radios designed strictly for interoperability use.

Massachusetts has a SEIC committee that is conducting meetings at various venues across the state for the purpose of enlightening the Public Safety Community on the current availability of interoperability plans, facilities, and working groups.

Vermont representation was absent.

New Hampshire indicated that December is the target date for the SEIC to meet. Mr. Kowalik indicated that the state of New Hampshire has many homeland security projects and additional requests for other radio communications projects.

Maine and Rhode Island representation was absent.

New York State announced their first SEIC meeting to be held on December 2, 2003. New York State will establish working groups for the various disciplines.

Mr. Schlieman indicated that the two regions in New York would review other 700MHz plans (region 5, 24, 33, etc) to ensure uniformity of such plans. He reported that the NCC has a recommendation for standardized nomenclature. In regards to the state licensed channels New York State submitted a proposal for dealing with border sharing issues. Canada has agreed to set aside Channels 63 and 68 for border areas.

The Chairman, George Pohorilak indicated Jerry Zarwanski and he would attend the Region 8 meeting that will be held September 10, 2003 in NYC.

FCC Update

NCC report- All recommended rule changes from the NCC subcommittees were forwarded to the NCC. A recommendation for wide band interoperability and various completed documents were forwarded to the steering committee. Mr. Eierman indicated that TIA TR8 committee has a document in ballot that will be acted on in the next TIA meeting session.

CAPRAD

Chair indicated that this committee will use CAPRAD. However, at this time the committee has used up all the funds available for training.

It was reported that there was discussion (at the FCC) that the use of CAPRAD be made mandatory. Regional Planning committees will have to make use of the database to provide accurate information to adjacent regions. Mr. Kowalik noted that the CAPRAD web site has information available for all regions and data associated with all regions.

Plan Development - Scoring Matrix

New Hampshire indicated that the committee adopted the matrix in the previous meeting. Typographical errors were pointed out. The chair reminded the committee that the matrix document is a working document and changes or modifications are welcome.

Mr. Eierman indicated that the FCC has not approved any 700MHz Regional Plans to date. The Region 5 original plan submission was initially rejected due to various reasons including; Tribal Nation notification, adjacent region approval, attachments including all regional planning activity documents associated with the region, etc. Region 5 has re-submitted their plan to the Commission with additional information.

The insertion of a footnote was recommended for addressing language on Section 4, first paragraph-…For an analog system 0 points…

The footnote would read *"Where allowed for LP or mobile only or subscriber equipment"*. It was clarified that no analog operations is allowed for interoperability channels.

Presentations

Mr. Speidel (M/A Com) presented *"700MHz Update and Other Assorted Topics."* A copy of the presentation was made available.

Mr. O'Hara (SRC) presented *"Final 700MHz General Use Narrow Band Allotment Pool-Region 8."* A copy of the presentation was made available.

Mr. O'Hara also discussed how the 700MHz Pool allotments were generated.

4.9 GHZ

The Chairman moved for this committee to convene their first 4.9GHz meeting in conjunction with the next 700MHz Regional Planning Committee meeting in December 2003. The **motion** was **approved** by consensus.

New Business

No new business identified.

Meeting adjourned by motion at 12:20 pm.

Minutes by: Jim Warakois, Secretary

DECEMBER 2003 MINUTES

Meeting of The FCC Region 19700 MHz Technical Advisory Committee
Tuesday December 9, 2003
New Hampshire State Police Headquarters, 33 Hazen Drive, Manchester, NH

The meeting was called to order at 10:00am.
Present were the Chairman, and Secretary. Attendees signed the attendance roster.

Approval of Minutes

The Chairman provided a copy of the attendance list for circulation and requested all present initialize the list or add their name to the list. He asked that all check their record of attendance and bring to his attention any discrepancies in the record.

MOVED by Mr. Leary, and SECONDED by Mr. Welch that the minutes of the previous meeting, September 9 , 2003 be **ACCEPTED**. There was no discussion and the Minutes were **APPROVED** unanimously.

Membership

Mr. Kowalik noted that there are changes to the New Hampshire representatives on the committee. The AASHTO representative will be Mr. Dave Chase. Mr. Herrick of NH, Emergency Management has resigned and will be replaced by Mr. Don Keeler.

Mr. Kowalik requested the committee add Mr. Don Bardwell of NH State Police Communications for membership/nomination into the committee. His membership would be identified as the New Hampshire Police representative.

The Chairman requested a written letter of nomination for Mr. Bardwell, Mr. Chase, and Mr. Keeler from higher administrative authorities in their respective discipline before the committee can accept approval for membership.

The Chairman noted various vacancies in the committee representation. He expressed concern that those who are not participating will not reap the future benefits as the committee moves forward. Further contact will be made with the administrations of those entities that are minimally represented on the committee in hopes of increasing attendance and membership.

State Update

Connecticut - There is an attempt being made to formalize a "State Interoperability Executive Committee". Draft proposals have been submitted. The need for coordination of interoperability is recognized. Progress is being made.

New Hampshire - Mr. Kowalik described the "New Hampshire State Police Digital Interoperability Expansion Project". This program will provide an upgrade to the existing infrastructure. The formation of a State Interoperability Executive Committee will allow certain related issues to be addressed formally. After describing the current and proposed statewide system Mr. Kowalik answered specific questions from the group.

NCC Update
The Chairman noted that additional funding would be made available to the Regional Committees, as in the past.

FCC Update
There is no current news from the FCC regarding 700 MHz activity.

CAPRAD
Mr. Carbonell reported that Regional CAPRAD updates would occur.
The Chairman noted that further training in the use of CAPRAD could be funded in part by the upcoming Regional Committee funding via NCC.

Plan Development
The Chairman noted that paper copies and a CD of the draft have been mailed to all committee members. Corrections were distributed for Section 6. Page 3, (General use) Paragraph one, second sentence, the frequency groups are changed to 6.25 kHz rather than 25 kHz.

Mr. Carbonell noted that the "general limits" sentence was omitted during the correction. It will be reinserted in the next printing.

Part 1, section 9, page 2 is deleted. It is not applicable to Region 19.

Appendix G, page 19, "Rhode Island", change Paul Leary to FCCA inquiry. Delete EMS inquiry reference.

Section I, Page 2. Update certain of the contact addresses.

The Chairman projected Committee approval of the Plan at the March meeting.
Thereafter, the plan will be submitted to the FCC and adjacent regions.

Plan for 4.9 GHz
Plan development for the 4.9 GHz band is slowly starting to form. Development of this plan was described as " repairing Humpty Dumpty after he was pushed off the wall."

Mr. Derdak questioned the enforceability of a 4.9 GHz Plan after the incumbents are already operating systems.

New Business
No new business was introduced.

Moved by Mr. Carbonell, and **seconded** that the meeting adjourn.
Meeting **adjourned** at 11:30 am.

Respectfully submitted
James Warakois, Secretary

March 2004 Minutes

Meeting of the FCC Region 19 700 MHz Technical Advisory Committee
Tuesday March 9, 2004
Massachusetts State Police General Headquarters
470 Worcester Road, Framingham, MA

The meeting was called to order by the Chairman at 10:05 AM.

Present: Mr. Pohorilak, Chairman, Mr. Zarwanski, Vice Chairman, Mr. Warakois, Secretary. All members present were asked to initial the attendance roster next to their printed names and correct any associated errors. Any one attending for the first time was asked to compete all the columns at the end of the attendance roster.

Previous Minutes discussion:
Mr. Kowalik moved to correct the minutes of the December 2003 meeting, second paragraph to read ".... Mr. Tom Bardwell..." Moved to accept minutes **as corrected**.
Accepted by unanimous vote.

The Chairman requested representatives from each State provide an update of State activities.

Connecticut.
Mr. Pohorilak reported that representation from multiple agencies has been coordinated and meetings conducted to form the "Interoperability Committee." This committee will implement the distribution of technology to aid communications interoperability and future communications planning. Mr. James (Skip) Thomas is the Chairman. Mr. Pohorilak has offered to share information with Mr. Sutherland of Massachusetts.

Massachusetts
Mr. Sutherland reported that the Executive Office of Public Safety has convened an ad hoc working group for interoperability. Meetings have been held at various regions throughout the State to expand existing infrastructure. Consultant studies have been made and approved by the ad hoc group. The effort has gone into planning for the orderly release of Federal Interoperability funds when they become available. Funding will be disbursed to identified consortiums to aid with their interoperability planning. Effort is being made to coalesce such groups where they are not organized. The Office of the Secretary of Public Safety is supporting this activity.

New Hampshire
Mr. Kowalik noted that several interoperability projects have begun. The " I-95" corridor project with the New Hampshire Department of Transportation and other State agencies. The New Hampshire State Police infrastructure is expanding gateways into other frequency bands. Another Interoperability Committee is working with Fire and EMS communities to bring them together using ICAL, ITAC and ITIA gateways. The separate working groups have yet to congeal into a single Interoperability group.

Rhode Island
A communications working group has been formed under the Governor's Disaster Subcommittee. A virtual radio channel called "Right Turn" connects all of state dispatch facilities through an 800 MHz backbone. Washington County, the southern most part of the State, will eventually merge into a statewide 800 MHz system. The current DOT and RIPTA (Rhode Island Public Transit Authority) systems will be merged to form part of a larger statewide system.

Maine -
No report

Vermont -
No report

NCC
NCC filed the final report.

FCC
Mr. Carbonell noted that the FCC notice regarding license cancellations will take effect very soon. Letters of Construction should be completed and on file with the FCC.

CAPRAD
The Committee is ready to utilize CAPRAD when the time comes to assign frequencies. Two Committee members have been sent for CAPRAD training. More will be sent when funding becomes available.

4.9 GHz
The 4.9 GHz meeting will follow the end of the 700MHz meeting. A separate agenda has been created for a 4.9GHz meeting.

700 MHz Plan Update
The Chairman reviewed the progress of the 700MHz meeting to date and acknowledged the editing efforts of Joan Carrasqillo, CT OSET and Vice Chairman, Mr. Zarwanski. Comments have been received from Bette Reinhardt, Motorola and others. Conference calls among technical members of the committee have been held to finalize aspects of the document.

Discussion:

Mr. Sutherland inquired as to the number of plans that have been already submitted to the FCC. Mr. Zarwanski indicated that two or three plans have been submitted to the FCC, none have been accepted. The FCC has provided reply comments back to those plans that have been reviewed.

Most plans have been developed around the NCC and NPSTC suggestions.

The Chairman suggests that all members thoroughly review the plan before the next meeting in June 2004. Vote for adoption of the plan will occur in the next meeting in Vermont .

Mr. Warakois questioned the tables of allocation based on county allotments whereas the New England states frequently identify population bodies by municipal boundaries, being contiguous with one and another. Mr. Kowalik noted that Appendix L will be updated as the allocations commence. Mr. Carbonell noted that the Region borders might generate some problems in assignment of frequencies.

Mr. Zarwanski noted that the Drafts of the Plan were distributed to the Region 8 and Region 30 committees for preview.

Mr. Carbonell questioned if Part **I Section 3, 2.4. Suspension or Removal from the committee** would be in effect for the next meeting. The Chairman noted that attendance issue would be considered for the final acceptance. The suggestion was made that video conferencing should be considered for some of the future meetings. The benefits/drawbacks were discussed by the committee. The availability of such video conference bridge facilities was discussed.

The Chairman noted that a pre June meeting would be held by telephone conference bridge in May, the date to be determined. All members will be notified.

Mr. Carbonell wished a clarification of **Part I Section 6, page 6, -second paragraph, Procedures for frequency coordination**. He noted that to reduce confusion, distances should be noted consistently in units of English or metric values.

Mr. Derdak noted further changes to be made in the text regarding the “20-foot rule” being also known as the “6.1-meter rule“.

This concluded the 700MHZ meeting. **The meeting continued on as the 4.9 GHz Advisory Committee Meeting.**

APPENDIX G
NEW ENGLAND REGION 19 MEETINGS - ATTENDANCE

Others in Attendance

Name	Agency	12/7/2000	3/29/2001	6/20/2001	9/26/2001	12/11/2001	3/12/2002	6/11/2002	9/10/2002	12/10/2002	3/11/2003	6/10/2003	9/9/2003	12/9/2003	3/9/2004	6/8/2004
Auidi Frank	Conn. Dept. of Information Technology				X	X	X									
Balboni, Phillip	Boston Emergency Medical Services		X													
Barber, Bill	Motorola										X	X		X		X
Bardwell, Thomas	New Hampshire State Police													X	X	
Baril, Michael	Central Mass. Public Safety					X										
Bean, Angela	Vermont Dept. of Public Safety															X
Beckwith, Peter	USAR												X			
Bell, James	RI Emergency Mangement Agency					X									X	
Biron, Peter	Rhode Island State Police					X										
Bruce, Gary	CMED New Haven												X			
Cady, Mark	Worcester Fire Dept. Mass.		X	X	X	X		X		X			X	X		
Celli, Andy	Motorola-Conn.												X		X	X
Cruikshank, Bob	Motorola-Mass.			X	X		X	X			X		X	X		X
Daniels, Craig	Marcus Communications												X			
DeNutte, Peter	New Hampshire Emergency Management													X		
DiBella, Bob	Town of Glastobury	X	X	X	X	X	X	X				X	X	X	X	X
DiRaimo, Sal	NYSTEC												X			
Doherty, Mary	M/A COM Lowell, Mass												X			
Donohough, Thomas	Massachusetts State Police														X	
Donahue, Kevin	M/A Com							X			X			X		
Doucette, Michael	New Hampshire State Police Troop F	X														
Eierman, David	Motorola	X											X			X
Giacomini, John	Motorola					X	X	X	X		X	X	X	X	X	
Glancy, Brian	Rhode Island State Police															X
Gore, Ben	York County 911										X					

Others in Attendance

Name	Agency	12/7/2000	3/29/2001	6/20/2001	9/26/2001	12/11/2001	3/12/2002	6/11/2002	9/10/2002	12/10/2002	3/11/2003	6/10/2003	9/9/2003	12/9/2003	3/9/2004	6/8/2004
Gutkowski, Gary	Mass. State Police		X	X		X	X		X						X	
Hamilton, Lance	Motorola - Connecticut														X	
Hanlon, Richard	Mass. State Police		X													
Kajunski, Vincent	FCC								X							
Kittle, Stephen	New England Communications														X	
LaValley, Terry	Vermont State Police			X												
Marcus, Stephen	Marcus Communications												X			
Martinez, Maribel	New York State, Office of Technology												X			
McLoughlin, James	Hartford Fire Dept.												X			
Morris, Ernie	Motorola				X						X					
Mosely, John	Mass. State Police		X													
O'Connor, Joseph	Holyoke (MA) Fire Dept.															X
O'Hara, Sean	Syracuse Research-NYS												X			
Ouellette, Andy	CFPC East Windsor												X			
Pagacik, Ivan	Macro Corp.															X
Pinkham, John	Mass. State Police		X	X	X		X	X	X	X						
Piper, Roy	CT Military Department, OEM							X	X	X				X		X
Plante, William	Maine Dept. of Transportation										X					
Pollack, Rick	Motorola-Mass.	X	X										X			
Porter, Bill	Motorola-Southboro, Mass.					X	X	X	X				X		X	X
Prairie, Carl	Springfield Massachusetts Police Dept.														X	
Provost, Ron	Motorola															X
Schlieman, Robert	New York State, Office of Technology					X							X			
Schroll, Ted	Conn. Fire Chiefs TAC												X			
Smith, J. David	Narragansett (RI) Police															X
Speidel, Bob	M/A-COM												X			
Sprague, David	Massachusetts State Police														X	

Others in Attendance

Name	Agency	12/7/2000	3/29/2001	6/20/2001	9/26/2001	12/11/2001	3/12/2002	6/11/2002	9/10/2002	12/10/2002	3/11/2003	6/10/2003	9/9/2003	12/9/2003	3/9/2004	6/8/2004
Stanford, Annemarie	M/A COM Meriden, Conn.					X	X						X			
Tanguay, Warren	Holyoke (MA) Fire Dept.															X
Thompson, Carey	Conn. Dept. of Public Safety Statewide Emergency Telecommunications												X			
Thomson, Ralph		X	X	X	X											
Troup, David	Boston Police Dept.	X			X											
Vail, Jason	M/A COM Lowell, Mass.												X			
Varghan, Don	C-Com Consulting Group												X			
Varney, Michael	Conn. Fire Chiefs Assoc. and TAC												X			
Vallarelli, John	Mass. Transit Authority Police															X
Verbil, Stephen	Verbil Communications	X		X	X											
Welch, Chuck	New Hampshire Office of Emergency Mangement								X	X	X	X	X	X		
Wood, William	New Hampshire Bureau of Emergency Medical Services										X					

APPENDIX G

MEETING NOTIFICATION METHODS

New England Region 19 uses various methods to notify its members and the public of meeting notices.

Meeting notices have been posted on the Federal Communications Commission website.
Meeting notices have been posted on the New England Region 19 700 MHz website.
Meeting notices have been posted on the Connecticut Department of Public Safety website.
Emails have been sent to all those who have requested to be notified by this means.
Notices have been posted in the APCO Atlantic chapter newsletter.
Notices have been posted in the Connecticut E9-1-1 newsletter.
Letters have been sent to public safety officials within the Region.

Samples of these notices are attached.

PUBLIC NOTICE

Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

News media information 202 / 418-0500
Fax-On-Demand 202 / 418-2830
TTY 202 / 418-2555
Internet: http://www.fcc.gov
ftp.fcc.gov

DA 03-2520
July 28, 2003

WIRELESS TELECOMMUNICATIONS BUREAU ACTION

REGION 19 (NEW ENGLAND) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES TWELFTH PLANNING MEETING

The Region 19 (New England) 700 MHz Public Safety Planning Committee announces that its twelfth meeting will be held on September 9, 2003 at 10:00 a.m., at the Connecticut Fire Academy, 34 Perimeter Road, Windsor Locks, Connecticut. The purpose of the meeting is to continue developing a Regional plan to meet the needs of the 700 MHz spectrum users including Public Safety, Public Health, Emergency Management and Utility services.

The Region 19 Public Safety Planning Committee meeting is open to the public. All eligible public safety providers whose sole or principal purpose is to protect the safety of life, health, or property in Connecticut, Massachusetts, Rhode Island, Maine, Vermont and New Hampshire may utilize these frequencies. It is essential that not only public safety, but all government, Native American Tribal, and non-governmental organizations eligible under Section 90.523 of the Commission's Rules be represented in order to ensure that each agency's future spectrum needs are considered in the allocation process. Administrators who are not oriented in the communications field should delegate someone with this knowledge to attend, participate and represent your agency's needs.

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please visit the Region 19 web site at www.ner700mhz.org or contact:

George Pohorilak, Chairman
Region 19, 700 MHz Public Safety Planning
Committee
Department of Public Safety

New England Region 700 MHz

TECHNICAL ADVISORY COMMITTEE MEETING

June 8, 2004

NEW ENGLAND (REGION 19) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES PLANNING MEETING

15th meeting of the Region 700 MHz Public Safety Regional Planning Committee and 4.9GHz will be held Tuesday, June 8, 2004 at 10:00 a.m.- 12:00p.m., at the Brattleboro, Vermont Municipal Center, Grove St., Brattleboro, Vermont 05301

The meeting of the Region 700 MHz National Public Safety Regional Planning committee will convene at 10:00 a.m. The purpose of this meeting is to continue developing a Region plan to meet the needs of the 700 MHz spectrum users including Public Safety, Public Health, Emergency Management and Utility services.

All eligible public safety providers whose sole purpose or principal purpose is to protect the safety of life, health, or property in Region 19 would utilize these frequencies. It is essential that not only public safety, but all government, Native American Tribal, and non-governmental organizations eligible under Section 90.523 of the Commission's Rules be represented in order to ensure that each agency's future spectrum needs are considered in the allocation process.

Interested parties wishing to participate in the planning process for utilization of the new public safety spectrum in the 700 MHz band are encouraged to attend. For additional information concerning this meeting, please contact either the Region 19 Chairman or Vice-Chairman listed below or visit the committee web site at www.ner700mhz.org.

George Pohorilak, Chairman Jerry Zarwanski, Vice-Chairman

Department of Public Safety Department of Public Safety
Division of Fire, Emergency and Building Services Division of Fire, Emergency and Building Services
1111 Country Club Road 1111 Country Club Road
P.O. Box 2794 P.O. Box 2794
Middletown, CT 06457-9294 Middletown, CT 06457-9294

Phone: 860-685-8108 Phone: 860-685-8157

Fax: 860-685-8363 Fax: 860-685-8363

Email: george.pohorilak@po.state.ct.us

Email: jerry.zarwanski@po.state.ct.us

YAHOO! Maps
Map of Grove St
Brattleboro, VT 05301-2839

YAHOO! Maps
Directions to Grove St
Brattleboro, VT 05301-2839

Future meeting dates and locations

September 2004 - Maine
December 2005 - Rhode Island
March 2005 - Connecticut
June 2005 - New Hampshire
September 2005 - Massachusetts
December 2005 - Vermont

Back to main

PLANNING COMMITTEE MEETING

REGION 19 (NEW ENGLAND) 700 MHz
PUBLIC SAFETY PLANNING COMMITTEE
ANNOUNCES FIRST MEETING

By this notice, the Region 19 (New England) 700 MHz Public Safety Planning Committee announces that its first meeting will be held on December 7, 2000 at 9:00 a.m. The purpose of the meeting is:

1. Establish procedural rules.
2. Election of a Chairman.
3. Review of plan elements.
4. Review NCC progress.
5. Form workgroups to develop the regional plan.
6. Address any new business.

In accordance with the provisions of FCC Docket 96-86 the Chairman of the New England 800 MHz Regional Plan Update Committee announces the first Regional Planning Committee meeting for 700 MHz.

The meeting will be held at:

Daniel Webster College
20 University Drive
Collings Auditorium
Nashua, NH 03063-1300

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please contact:

Jerry Zarwanski

From: Jerry Zarwanski [ZarwanskiJ@attglobal.net]
Sent: Friday, February 22, 2002 8:43 AM
To: Annemarie Stanford (E-mail); Bill Porter (E-mail); Blair Sutherland (E-mail); Bob Crvikshank (E-mail); David Eierman (E-mail); David Troup Jr. (E-mail); Elliot A. Derdak (E-mail); Ernie Morris (E-mail); Frank Aiudi (E-mail); Gary Gutowski (E-mail); George Carbonell (E-mail); George Pohorilak (E-mail); Gregory Richardson (E-mail); James P. Kowalik (E-mail 2); James P. Kowalik (E-mail); James W. Bell (E-mail); James Warakois (E-mail 2); James Warakois (E-mail); John Giacomini (E-mail); John Pinkham (E-mail); Mark Cady (E-mail); Mark Poole (E-mail); Michael Doucette (E-mail); Michael J. Baril (E-mail); Michael Stemmler (E-mail); Rick Pollak (E-mail); Robert DiBella (E-mail); Stephan Brown (E-mail); Stephen Verbil (E-mail); Terry LaValley (E-mail); Thomas Crotty (E-mail); Thomas Walsh (E-mail)
Subject: 700 MHz Meeting

Attached you will find an agenda for the next 700MHz meeting which is scheduled for March 12, 2002 from 10:00am to 1200pm at the Connecticut DOT(directions are on page 2 of the agenda). The Region 19 821MHz meeting will follow after a 10 minute break. In addition, minutes of the last 700MHz meeting are attached. Hope to see you all there. If you have any questions, please call me at 860-685-8157. Jerry


700MHZ AGENDA march02.doc


1_MINUTES121101 edited.doc

APCO International
Atlantic Chapter

CHAPTER NEWSLETTER

Terry LaValley, President | **David McClelland**, President Elect | **Mark Poole**, 1st Vice President
Pieri R. Hayes, Managing Editor | Distribution 2:2 | October 10, 2000

The conference is over, and oh what a conference it was. This will be one for the record books. I am sharing, below, some of the comments that I received about the conference. I know personally, that though I worked every day and had to put my feet up every night when I got back to my room, I would not trade one minute of the time that I spent. .....**Editor**

****

A Job Well Done

The 66th APCO International Conference and Exposition in Boston has come and gone. To those who missed it, sorry; and you can believe those who were there will be talking about this one for some years to come. Without exception this conference excelled in every aspect.

The reasons for this level of success are a combination of factors. But at this time I want to concentrate on primarily one area. And that area is our volunteers. As most of you know I had the honor of serving as your volunteer chairperson. What an experience for me. I made new friends and worked with old friends while accomplishing the many necessary tasks for the conference. Working with this group of volunteers was beyond all expectations. They were there to do whatever needed to be done, and with a smile. Let me tell you that the members of the association who attended the conference noticed. The compliments we received were outstanding.

I though maybe you would like to know a little bit about our volunteers. We used 126 during the conference, not including chairpersons, co-chairpersons, and a few people who worked exclusively for a committee chairperson. They came from 47 agencies in the chapter area, 3 agencies outside the chapter area, retired members, corporate members, family members and understudies from the Salt Lake City conference committee. They worked covering 15 different areas of the conference.

As your chairperson for this, the greatest conference so far, I would like to thank each and every person who volunteered to assist with the conference. Without your efforts we never could have accomplished the tasks necessary to produce a quality conference for our association. Many members of the association have passed along their compliments for a job well done to the conference committee staff.

I will not attempt to name each person, as I am sure I would miss some. I had the opportunity to speak with only a few of the volunteers and give them my personal thanks. You all know who you are and for those I missed, please know I could not have done this without your help. I wish to express my warmest thanks to all for a job well done.

I would like to mention my two key assistants in the volunteer room who made my job easier.

Without them I never could have done the job.

Many of you volunteers also had the opportunity to meet or work with these two individuals, John (Jack) Gallagher, Lynn Fire Department and David Diamond, Barnstable County Sheriff's Department.

Cambridge (MA) Emergency Communications

Paula Snow appointed Chief of Operations for the combined dispatch operations center replacing Tom Cahill who retired after 38 years service.

New Supervisor Appointments
Christina Giacobbe
Kirk Wornum
Joe Sullivan

The Cambridge Emergency Communications Center had representatives volunteer countless hours at the Boston APCO Conference in August:

Ron Richard George Fosque
Bob Morrison Kirk Wornum
Paula Snow Larry Silva
Matt Ansello Mike Medeiros
Rich Moschler Skip Botelho
Val Watson

See you in November! **Ron**

****

News from the Institute

The APCO Virtual College started it's first semester. They had planned on having 10 to 15 enrollees and ended up with 50.

Obviously, more people than planned are realizing the benefits of continuing their education.

Good luck to them all.

How many can we enroll next semester?

****

Educational Opportunities

****

Communications Center Supervisor Course

November 14 - 16, 2000
8:00am - 5:00pm
$329.00

Co-host:
Massachusetts Communications Supervisors Associations

Location: Northampton FD
26 Carlon Dr.
Northampton, MA 01060

Lodging:
Inn at Northampton (413) 586-1211
Best Western (413) 586-1500
Contact: James Lake
(413) 587-1147

Emergency Medical Dispatch Course

November 13 - 17, 2000
8:00am - 5:00pm
$439.00

Co-host:
Montgomery County Emergency Medical Services

Location: Emerg, Operations Ctr.
50 Eagleville Road.
Eagleville, PA 19403

Lodging: Comfort Inn
(610) 962-0700
Hampton Inn
(610) 962-8111
Contact: James Traub
(610) 631-6521

****

Tech News

REGION 19 (NEW ENGLAND)
700 MHz
PUBLIC SAFETY PLANNING COMMITTEE
ANNOUNCES FIRST MEETING

By this notice, the Region 19 (New England) 700 MHz Public Safety Planning Committee announces that its first meeting will be held on December 7, 2000 at 9:00 a.m. The purpose of the meeting is:

1. Establish procedural rules.
2. Election of a Chairman.
3. Review of plan elements.
4. Review NCC progress.
5. Form work groups to develop the regional plan.
6. Address any new business.

In accordance with the provisions of FCC Docket 96-86 the Chairman of the New England 800 MHz Regional Plan Update Committee announces the first Regional Planning Committee meeting for 700 MHz. The meeting will be held at:

Daniel Webster College
20 University Drive
Collings Auditorium
Nashua, NH 03063-1300

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please contact:

George J. Pohorilak, Convenor
Office of Statewide Emergency Telecommunications
1111 Country Club Road
Middletown, CT 06459294
(860) 685-8108 (voice)
(860) 685-8363 (FAX)

connecticut 9-1-1 news

Fall 2000 issue, Vol. 2 Issue 8

A publication of the Connecticut Office of Statewide Emergency Telecommunications

Public Act 00-151:
What you need to know...

Governor Rowland signed Public Act 00-151 "An Act concerning Emergency Medical Services Data Collection and Emergency Medical Dispatch" on May 26, 2000.

The Act specifically requires the following for Connecticut PSAPs:

✔ Starting on 1/1/01, PSAPs are required to begin collecting the following data for submission to OSET on a quarterly basis: 1) the number of E911 calls during the quarter that involved a medical emergency 2) the elapsed time period from the time the call was received to the time emergency response services were dispatched or the call was transferred;

✔ Not later than 7/1/04, each PSAP shall provide emergency medical dispatch (EMD) or arrange for EMD to be provided by a public safety agency. Documentation of such an arrangement must be forwarded to OSET for review;

✔ EMD programs shall include but are not limited to: 1) medical interrogation, dispatch prioritization and prearrival instructions for all E911 calls requiring EMS 2) a medically approved EMD priority reference system;

✔ Maintain on-going EMD education program;

✔ A mechanism to detect and correct discrepancies between EMD protocols and EMD practice;

✔ A quality assurance program to monitor the following: 1) EMD time intervals 2) the quality of EMD instructions and dispatch protocols 3) utilization of EMD components. The Q. A. program should be developed with the assistance of a physician trained in emergency medicine who should provide on-going review;

✔ OSET shall provide or approve EMD training and continuing education.

In order to accomplish the above mandates, OSET is developing the following:

✔ A system to approve NHTSA EMD providers;

✔ PSAP reimbursement process for EMD training;

✔ Development of a continuing education program;

✔ Development of quality assurance information to assist PSAPs in implementing in-house Q.A. programs;

✔ Data collection methodologies.

If you need clarification, please contact Paul Connelly at OSET 860-685-8124. ✆ 9-1-1

800 MHz Window Opening

The New England Planning Committee (FCC Region 19) announces the opening of a new frequency application window for 821-824 / 866-869 MHz radio band. The Region 19 area includes the states of Maine, New Hampshire, Vermont, Rhode Island, Massachusetts and four counties in Connecticut, including New London, Windham, Tolland, and Hartford counties.

Applications to be accepted for a eighth window filing for the 821-824 / 866-869 MHz radio band must be postmarked on or after October 1, 2000 and prior to November 30, 2000. No applications will be accepted that are postmarked before or after these dates.

Subsequent window filings will be open every October 1 and April 1 and close 60 days from window opening.

Evaluation of applications will be conducted by the Region 19 Committee. Each application will be rated and scored for completeness of the application, systems need, coverage, loading, funding availability and other technical criteria. Applications receiving a high ranking may not necessarily receive a frequency assignment as certain areas in Region 19 may be depleted of 800 MHz by previous window filings and corresponding channel assignments.

For further information and an application, contact: George Pohorilak, Region 19 Committee Chairman, New England Planning Committee, c/o Department of Public Safety, Office of Statewide Emergency Telecommunications, P. O. Box 2794, Middletown, Connecticut 06457-9294.

Mr. Pohorilak's telephone number is 860-685-8080. ✆ 9-1-1

Region 19 (New England) 700 MHz Public Safety Planning Committee Announces 1st meeting

By this notice, the Region 19 (New England) 700 MHz Public Safety Planning Committee announces that its first meeting will be held on December 7, 2000 at 9 a.m. The purpose of the meeting is to:

1. Establish procedural rules;
2. Election of a Chairman;
3. Review plan elements;
4. Review NCC/FCC progress;
5. Form work groups to develop the regional plan;
6. Address any new business.

In accordance with the provisions of FCC Docket 96-86, the Chairman of the New England 800 MHz Regional Plan Update Committee announces the first Regional Planning Committee meeting for 700 MHz.

The meeting will be held at:
Daniel Webster College
20 University Drive
Collings Auditorium
Nashua, NH03063-1300

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please contact:
George Pohorilak, Convenor
Office of Statewide Emergency Telecommunications
1111 Country Club Road
Middletown, CT 06457-9294
(860) 685-8108 (Voice)
(860) 685-8363 (Fax)
Email:
george.pohorilak@po.state.ct.us

NEW ENGLAND RADIO PLANNING COMMITTEE
FCC AREA 19
PLAN UPDATE COMMITTEE

July 12, 2000

Mr. Mark Poole
Maine State Police
36 Hospital Street
Augusta, ME 04330

Dear Mr. Poole:

In anticipation of conducting a meeting for a 700 MHz planning initiative, I am requesting that you provide a mailing list for public safety representatives within your state. If possible, I would like that list in an electronic format to facilitate the creation of a master list and labels.

As convenor of the meeting I have arranged for a meeting at Daniel Webster College in Nashua, New Hampshire. Nashua is geographically centered and has ample parking at the college. The auditorium will accommodate 350 people. I have reserved that room for December 7, 2000 at 9:00 a.m. to noon.

Please provide your mailing list as soon as possible so that I can put the master list together. I believe that the appropriate contact would be the police chief, fire chief, EMS director for their respective public safety organizations in your state. State public safety agencies should be included. I will handle notification of federal entities for the New England States. While the mailing may be extensive, previous experience has indicated that only a limited number will attend.

If you have any questions, please contact me at (860) 685-8108.

Sincerely,

George J. Pohorilak
Chairman, RPUC

GJP:js

P.S. My e-mail is: george.pohorilak@po.state.ct.us.

860-685-8108

DIRECT CORRESPONDENCE TO THE COMMITTEE

C/O OFFICE OF STATEWIDE EMERGENCY TELECOMMUNICATIONS
P. O. BOX 2794
1111 COUNTRY CLUB ROAD
MIDDLETOWN, CT 06457-9294

APPENDIX H

NEW ENGLAND REGION 19
REGIONAL PLANNING COMMITTEE FUNDING

Support Funding Program
The Regional Planning Committee Support Funding Program is being made available by the National Institute of Justice AGILE Program to promote the efforts of Regional Planning Committees convened to plan for the use of the newly allocated 700 MHz public safety spectrum. Funds are distributed through the National Public Safety Telecommunications Council (NPSTC) Support Office as hosted by the University of Denver.

Requests for funding must be initiated by the designated regional convener or by the established 700 MHz RPC chairperson. In order to obtain funding, each region must identify a single public safety host organization that agrees to take fiduciary responsibility for the proper allocation of the awarded funds through a simplified accountability process based on a standardized form for financial summary reporting.

The New England Region 19 Regional Planning Committee applied for and received $2,500.00. The APCO Atlantic Chapter serves as the treasurer for these fund monies.

Expenditures
As of February 1, 2004, New England Region 19 has incurred the following expenditures:

Revenues - Initial Funding Grant	$2,500.00
Expenditures	
A. Outreach	
New England Region 19 website development and maintenance	< $252.00 >
B. Regional Database Training	
CAPRAD Training (for two people)	< $1,269.12 >
C Regional Plan Preparation and Distribution	
Meeting Expenses	< $170.55 >
Office Supplies	< $179.48 >
Mailing	< $85.50 >
Total Expenditures	< $1,956.65 >
Balance Remaining	$543.35

Prohibited Use Of Funds

The use of funds obtained through this support funding program is subject to review at any time. Certain uses of these funds are prohibited and include but are not necessarily limited to those listed below.

Funds may **NOT** be used for:

- The purchase of alcohol, alcoholic beverages, tobacco, tobacco products, or any illegal substance
- The purchase or acquisition of equipment (includes computers, electronics, furniture or other office equipment)
- Salaries or compensation for hours worked by committee members (except as noted in the plan preparation section)
- Lobbying efforts.

APPENDIX I

NEW ENGLAND REGION 19
NATIONAL ASSOCIATIONS AND ORGANIZATIONS THAT WERE NOTIFIED OF THE FIRST PLANNING MEETING

American Association of State Highway and Transportation Officials (AASHTO)
American College of Emergency Physicians
American National Red Cross
Association of Public Safety Communications Officers (APCO)
Federal Bureau of Investigation
Federal Communications Commission Public Notice Process
Federal Emergency Management Agency (FEMA)
Federal Law Enforcement Wireless Users Group (FLEWUG)
Forestry Conservation Communications Association (FCCA)
International Association of Chiefs of Police (IACP)
International Association of Fire Chiefs (IAFC)
International Bridge Turnpike & Tunnel Association (IBTTA)
International Municipal Signal Association (IMSA)
Local & State Government Advisory Committee
National Association of Counties
National Association of State EMS Directors
National Governors Association
National League of Cities
National Public Safety Telecommunications Council (NPSTC)
Office of Emergency Management Directors
Public Safety Wireless Network (PSWN)
US Coast Guard
US Conference of Mayors

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Federal Communications Commission
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Washington, D.C. 20554

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DA 00-2282
October 18, 2000

WIRELESS TELECOM ACTION

REGION 19 (NEW ENGLAND) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES FIRST MEETING

By this notice, the Region 19 (New England) 700 MHz Public Safety Planning Committee announces that its first meeting will be held on December 7, 2000 at 9:00 a.m., E.S.T. The purpose of the meeting is to:

1. Establish procedural rules,
2. Election of a Chairman,
3. Review of plan elements,
4. Review NCC progress,
5. Form workgroups to develop the regional plan, and
6. Address any new business.

In accordance with the provisions of FCC Docket 96-86, the Chairman of the New England 800 MHz Regional Plan Update Committee announces the first Regional Planning Committee meeting for 700 MHz. Region 19 (New England) is defined as the States of Massachusetts, Rhode Island, Maine, Vermont, New Hampshire and the Counties of New London, Wind ham, Tolland and Hartford within the State of Connecticut. The meeting will be held at:

Daniel Webster College
20 University Drive
Collings Auditorium
Nashua, New Hampshire

All interested parties wishing to participate in the planning for the use of new public safety

spectrum in the 700 MHz band should plan to attend. For further information, please contact:

George J. Pohorilak, Convenor
Office of Statewide Emergency Telecommunications
1111 Country Club Road
Middletown, CT 06457-9294
(860) 685-8108 (voice)
(860) 685-8363 (fax)
Email: george.pohorilak@po.state.ct.us

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PUBLIC NOTICE

FEDERAL COMMUNICATIONS COMMISSION
445 Twelfth Street, S.W.
WASHINGTON, D.C. 20554 **DA 01-2112**
News media information 202/418-0500 Fax-On-Demand 202/418-2830 Internet: http://www.fcc.gov ftp.fcc.gov

Released: September 10, 2001

PUBLIC SAFETY 700 MHz BAND – GENERAL USE CHANNELS
APPROVAL OF CHANGES TO REGIONAL PLANNING BOUNDARIES OF CONNECTICUT AND MICHIGAN

By this *Public Notice*, the Wireless Telecommunications Bureau accepts and approves the decisions of Connecticut and Michigan to "opt out" of their assigned planning regions for purposes of the regional planning process established by the Commission for the General Use channels in the 700 MHz public safety band.[1] As a result of these "opt out" decisions, the 700 MHz planning regions are hereby modified as set forth in the **Attachment** hereto.

By way of background, in 1998 the FCC decided that the 700 MHz public safety band regional planning committees (RPCs) would be based on the same fifty-five planning regions used in the 800 MHz band.[2] However, the FCC also decided to allow states or territories not in regions defined by state boundaries to "opt out" of their existing regions to form or join a planning region that corresponds with their state's geographic boundaries.[3] The deadline date for reporting "opt out" decisions was July 2, 2001.[4]

Connecticut was eligible to "opt out" because it was part of Region 8 and Region 19. The Chairman of the 700 MHz Public Safety Band Region 19 RPC reports that all RPC members from Connecticut have agreed to "opt out" of Region 8 to join the 700 MHz Public Safety Band Region 19 with boundaries redrawn to encompass all of Connecticut.[5]

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[1] *See* Development of Operational, Technical and Spectrum Requirements for Meeting Federal, State and Local Public Safety Agency Communications Requirements Through the Year 2010, WT Docket No. 96-86, *First Report and Order and Third Notice of Proposed Rulemaking*, 14 FCC Rcd 152, 191 ¶ 78 (1998).

[2] *Id*. and at 263, Appendix D (List of Regions).

[3] *Id.* at 191-92 ¶¶ 80, 85.

[4] Public Safety 700 MHz Band General Use Spectrum Deadline for Changing Regional Boundaries is July 2, 2001, *Public Notice*, 16 FCC Rcd 726 (WTB PSPWD 2001). *See also* Development of Operational, Technical and Spectrum Requirements for Meeting Federal, State and Local Public Safety Agency Communications Requirements Through the Year 2010, WT Docket No. 96-86, *Second Memorandum Opinion and Order*, 15 FCC Rcd 16844, 16876 ¶ 68 (2000). Pursuant to timely filed requests, the deadline date was extended until November 2, 2001, and January 2, 2002, for the 700 MHz Public Safety Band Region 42 RPC and the 700 MHz Public Safety Band Region 8 RPC, respectively. *See* Letter to David R. Warner, Convener, Virginia Region 42, from D'wana R. Terry, Chief, Public Safety and Private Wireless Division (PSPWD), WTB (June 29, 2001); Letter to Rosalind K. Allen, Esq., Counsel for the City of New York, from D'wana R. Terry, Chief, Public Safety and Private Wireless Division, WTB (Aug. 3, 2001).

[5] *See* Letter to D'wana R. Terry, Chief, Public Safety and Private Wireless Division, WTB, from George Pohorilak, New England 700 MHz Chairman (dated May 2, 2001).

Michigan was eligible to "opt out" because it comprised Region 21 and part of Region 54. The Chairman of the 700 MHz Public Safety Band Region 21 RPC reports that all RPC members from Michigan have agreed to "opt out" of Region 54 to join the 700 MHz Public Safety Band Region 21 with boundaries redrawn to encompass all of Michigan.[6]

For further information, contact Bert Weintraub, Esq., of the Policy and Rules Branch, Public Safety and Private Wireless Division, Wireless Telecommunications Bureau, at (202) 418-0680, TTY (202) 418-7233, or via email to bweintra@fcc.gov.

Action by the Chief, Public Safety and Private Wireless Division, Wireless Telecommunications Bureau.

– FCC –

[6] *See* Letter to Joy Alford, WTB, from Stephen Todd, Region 21 Chairman (dated June 26, 2001).

PUBLIC SAFETY – 700 MHZ BAND – REGIONAL PLANNING COMMITTEES*

NUMBER	STATES, COUNTIES & TERRITORIES INCLUDED IN REGIONS (700 MHZ)
1.	ALABAMA
2.	ALASKA
3.	ARIZONA
4.	ARKANSAS
5.	CALIFORNIA-SOUTH (to the northernmost borders of San Luis Obispo, Kern, and San Bernardino Counties)
6.	CALIFORNIA-NORTH (that part of California not included in California-South)
7.	COLORADO
8.	***NEW YORK-METROPOLITAN*** **- NEW YORK: Bronx, Kings, Nassau, New York, Orange, Putnam, Queens, Richmond, Rockland, Suffolk, Sullivan, Ulster, Dutchess, and Westchester Counties; NEW JERSEY: Bergen, Essex, Hudson, Morris, Passaic, Sussex, Union, Warren, Middlesex, Somerset, Hunterdon, Mercer, and Monmouth Counties**
9.	FLORIDA
10.	GEORGIA
11.	HAWAII
12.	IDAHO
13.	ILLINOIS (all except area in Region 54)
14.	INDIANA (all except area in Region 54)
15.	IOWA
16.	KANSAS
17.	KENTUCKY
18.	LOUISIANA
19.	***New England*** **- MAINE; NEW HAMPSHIRE; VERMONT; MASSACHUSETTS; RHODE ISLAND; CONNECTICUT**

* Regions 8, 19, 21, and 54 are in bold to highlight the results of "opt out" decisions reported to the Commission as of July 2, 2001. Pursuant to timely filed requests, the deadline date was extended until November 2, 2001, and January 2, 2002, for the 700 MHz Public Safety Band Region 42 RPC and the 700 MHz Public Safety Band Region 8 RPC, respectively. *See* Letter to David R. Warner, Convener, Virginia Region 42, from D'wana R. Terry, Chief, Public Safety and Private Wireless Division (PSPWD), WTB (June 29, 2001); Letter to Rosalind K. Allen, Esq., Counsel for the City of New York, from D'wana R. Terry, Chief, Public Safety and Private Wireless Division, WTB (Aug. 3, 2001). This attachment also corrects several typographical errors/omissions on earlier versions of this list.

NUMBER	STATES, COUNTIES & TERRITORIES INCLUDED IN REGIONS (700 MHZ)
20.	MARYLAND; WASHINGTON, D.C.; VIRGINIA – NORTHERN (Arlington, Fairfax, Fauquier, Loudoun, Prince William and Stafford Counties; and Alexandria, Fairfax, Falls Church, Manassas and Manassas Park Cities)
21.	**MICHIGAN**
22.	MINNESOTA
23.	MISSISSIPPI
24.	MISSOURI
25.	MONTANA
26.	NEBRASKA
27.	NEVADA
28.	NEW JERSEY (except for counties included in the New York-Metropolitan, Region 8, above) PENNSYLVANIA (Bucks, Chester, Montgomery, Philadelphia, Berks, Delaware, Lehigh, Northampton, Bradford, Carbon, Columbia, Dauphin, Lackawanna, Lancaster, Lebanon, Luzerne, Lycoming, Monroe, Montour, Northumberland, Pike, Schuylkill, Sullivan, Susquehanna, Tioga, Wayne, Wyoming and York Counties); DELAWARE
29.	NEW MEXICO
30.	NEW YORK – ALBANY (all except area in New York - Metropolitan, Region 8, and New York - Buffalo, Region 55)
31.	NORTH CAROLINA
32.	NORTH DAKOTA
33.	OHIO
34.	OKLAHOMA
35.	OREGON
36.	PENNSYLVANIA (all except area in Region 28, above)
37.	SOUTH CAROLINA
38.	SOUTH DAKOTA
39.	TENNESSEE
40.	TEXAS - DALLAS (including the counties of Cooke, Grayson, Fannin, Lamar, Red River, Bowie, Wise, Denton, Collin, Hunt, Delta, Hopkins, Franklin, Titus, Morris, Cass, Tarrant, Dallas, Palo Pinto, Parker, Rockwall, Kaufman, Rains, VanZandt, Wood, Smith, Camp, Upshur, Gregg, Marion, Harrison, Panola, Rusk, Cherokee, Anderson, Henderson, Navarro, Ellis, Johnson, Hood, Somervell and Erath)
41.	UTAH
42	VIRGINIA (all except area in Region 20, above)
43.	WASHINGTON
44.	WEST VIRGINIA

NUMBER	STATES, COUNTIES & TERRITORIES INCLUDED IN REGIONS (700 MHZ)
45.	WISCONSIN (all except area in Region 54)
46.	WYOMING
47.	PUERTO RICO
48.	U.S. VIRGIN ISLANDS
49.	TEXAS - AUSTIN (including the counties of Bosque, Hill, Hamilton, McLennan, Limestone, Freestone, Mills, Coryell, Falls, Robertson, Leon, San Saba, Lampasas, Bell, Milam, Brazos, Madison, Grimes, Llano, Burnet, Williamson, Burleson, Lee, Washington, Blanco, Hays, Travis, Caldwell, Bastrop, and Fayette)
50.	TEXAS - EL PASO (including the counties of Knox, Kent, Stonewall, Haskell, Throckmorton, Gaines, Dawson, Borden, Scurry, Fisher, Jones, Shackelford, Stephens, Andrews, Martin, Howard, Mitchell, Nolan, Taylor, Callahan, Eastland, Loving, Winkler, Ector, Midland, Glasscock, Sterling, Coke, Runnels, Coleman, Brown, Comanche, Culberson, Reeves, Ward, Crane, Upton, Reagan, Irion, Tom Green, Concho, McCulloch, Jeff Davis, Hudspeth, El Paso, Pecos, Crockett, Schleicher, Menard, Mason, Presidio, Brewster, Terrell, Sutton, and Kimble)
51.	TEXAS - HOUSTON (including the counties of Shelby, Nacogdoches, San Augustine, Sabine, Houston, Trinity, Angelina, Walker, San Jacinto, Polk, Tyler, Jasper, Newton, Montgomery, Liberty, Hardin, Orange, Waller, Harris, Chambers, Jefferson, Galveston, Brazoria, Fort Bend, Austin, Colorado, Wharton, and Matagorda)
52.	TEXAS - LUBBOCK (including the counties of Dallam, Sherman, Hansford, Ochiltree, Lipscomb, Hartley, Moore, Hutchinson, Roberts, Hemphill, Oldham, Potter, Carson, Grey, Wheeler, Deaf Smith, Randall, Armstrong, Donley, Collingsworth, Parmer, Castro, Swisher, Briscoe, Hall, Childress, Bailey, Lamb, Hale, Floyd, Motley, Cottle, Hardeman, Foard, Wilbarger, Witchita, Clay, Montague, Jack, Young, Archer, Baylor, King, Dickens, Crosby, Lubbock, Kockley, Cochran, Yoakum, Terry, Lynn, and Garza)
53.	TEXAS - SAN ANTONIO (including the counties of Val Verde, Edwards, Kerr, Gillespie, Real, Bandera, Kendall, Kinney, Uvalde, Medina, Bexar, Comal, Guadalupe, Gonzales, Lavaca, Dewitt, Karnes, Wilson, Atascosa, Frio, Zavala, Maverick, Dimmit, LaSalle, McMullen, Live Oak, Bee, Goliad, Victoria, Jackson, Calhoun, Refugio, Aransas, San Patricio, Nueces, Jim Wells, Duval, Webb, Kleberg, Kenedy, Brooks, Jim Hogg, Zapata, Starr, Hidalgo, Willacy, and Cameron)
54.	***Chicago – Metropolitan* – ILLINOIS: Winnebago, McHenry, Cook, Kane, Kendall, Grundy, Boone, Lake, DuPage, DeKalb, Will, and Kankakee Counties; WISCONSIN: Kenosha, Milwaukee, Washington, Dodge, Walworth, Jefferson, Racine, Ozaukee, Waukesha, Dane, and Rock Counties**
55.	NEW YORK - BUFFALO (including the counties of Niagara, Chemung, Schuyler, Seneca, Erie, Chautauqua, Cattaraugus, Allegany, Wyoming, Genesee, Orleans, Monroe, Livingston, Steuben, Ontario, Wayne, and Yates)

PUBLIC NOTICE

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Washington, D.C. 20554

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DA 00-2566
November 2, 2001

WIRELESS TELECOM ACTION

NEW ENGLAND (REGION 19) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES PLANNING MEETING

The New England (Region19) 700 MHz Public Safety Planning Committee announces that its next meeting will be held on Tuesday, December 11, 2001 at 10:00 a.m., at the Emergency Operations Center, Office of Emergency Management, 645 New London Avenue, Cranston, Rhode Island. The purpose of the meeting is to:

1. Approve Minutes of the September 26, 2001 Meeting,
2. Initiate the State License Application Process,
3. Discuss the 700 MHz FCC Planning Process, and
4. Formulate Committee and Review Plan Development.

The Region 19 700 MHz Public Safety Planning Committee meeting is open to the public. All eligible public safety providers whose sole purpose or principal purpose is to protect the safety of life, health, or property in the States of Massachusetts, Rhode Island, Maine, Vermont, New Hampshire, and the Counties of New London, Windham, Tolland and Hartford within the state of Connecticut would utilize these frequencies. It is essential that participants be representatives of all eligible public safety providers in order to ensure that each agency's future spectrum needs are considered in the allocation process. Administrators who are not oriented in the communications field should delegate someone with this knowledge to attend, participate and represent their agency's needs.

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please contact:

George J. Pohorilak, Chairman
Region 19, 700 MHz Public Safety Planning committee
Office of Statewide Emergency Telecommunications
1111 Country Club Road
Middletown, CT 06457-9294
(860) 685-8108 (voice)
(860) 685-8363 (fax)
Email: george.pohorilak@po.state.ct.us

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November 9, 2001

ERRATUM

WIRELESS TELECOMMUNICATIONS BUREAU CORRECTS DEFINITION OF NEW ENGLAND AREA (REGION 19) IDENDIFIED IN 700 MHz PLANNING MEETING ANNOUNCEMENT

By this Erratum, the Wireless Telecommunications Bureau corrects the definition of Region 19 for 700 MHz Public Safety planning as described in a Public Notice, DA 01 2566, released on November 2, 2001, to include the entire states of Connecticut, Massachusetts, Rhode Island, Maine, Vermont and New Hampshire. This correction reflects the change in the New England Area's regional boundaries approved by the Commission in Public Notice DA 01-2112 on September 10, 2001, to include the entire state of Connecticut.

For additional information, contact Ms. Joy Alford, Wireless Telecommunications Bureau (202) 418-0694, TTY (202) 418-7233.

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DA 03-2520
July 28, 2003

WIRELESS TELECOMMUNICATIONS BUREAU ACTION

REGION 19 (NEW ENGLAND) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES TWELFTH PLANNING MEETING

The Region 19 (New England) 700 MHz Public Safety Planning Committee announces that its twelfth meeting will be held on September 9, 2003 at 10:00 a.m., at the Connecticut Fire Academy, 34 Perimeter Road, Windsor Locks, Connecticut. The purpose of the meeting is to continue developing a Regional plan to meet the needs of the 700 MHz spectrum users including Public Safety, Public Health, Emergency Management and Utility services.

The Region 19 Public Safety Planning Committee meeting is open to the public. All eligible public safety providers whose sole or principal purpose is to protect the safety of life, health, or property in Connecticut, Massachusetts, Rhode Island, Maine, Vermont and New Hampshire may utilize these frequencies. It is essential that not only public safety, but all government, Native American Tribal, and non-governmental organizations eligible under Section 90.523 of the Commission's Rules be represented in order to ensure that each agency's future spectrum needs are considered in the allocation process. Administrators who are not oriented in the communications field should delegate someone with this knowledge to attend, participate and represent your agency's needs.

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please visit the Region 19 web site at www.ner700mhz.org or contact:

George Pohorilak, Chairman
Region 19, 700 MHz Public Safety Planning
Committee
Department of Public Safety
Division of Fire, Emergency and Building Services
1111 Country Club Road
P.O. Box 2794
Middletown, Connecticut 06457-9294

(over)

PH: 860-685-8108
FX: 860-685-8363
Email: george.pohorilak@po.state.ct.us or

Jerry Zarwanski, Vice-Chairman
Department of Public Safety
Division of Fire, Emergency and Building Services
1111 Country Club Road
P.O. Box 2794
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DA 03-2933
September 24, 2003

WIRELESS TELECOMMUNICATONS BUREAU ACTION

NEW ENGLAND (REGION 19) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES PLANNING MEETING

The New England (Region 19) 700 MHz Public Safety Planning Committee announces that its next meeting will be held on Tuesday, December 9, 2003 at 10:00 a.m., at the New Hampshire Department of Safety, Division of State Police, 10 Hazen Drive, Concord, New Hampshire.

The purpose of this meeting is to continue developing a Regional Plan to meet the needs of the 700 MHz spectrum users including Public Safety, Public Health, Emergency Management and Utility services.

The Region 19 700 MHz Public Safety Planning Committee meeting is open to the public. All eligible public safety providers whose sole purpose or principal purpose is to protect the safety of life, health, or property in the States of Massachusetts, Rhode Island, Maine, Vermont, New Hampshire, and Connecticut would utilize these frequencies. It is essential that participants be representatives of all eligible public safety providers in order to ensure that each agency's future spectrum needs are considered in the allocation process. Administrators who are not oriented in the communications field should delegate someone with this knowledge to attend, participate and represent their agency's needs.

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band should plan to attend. For further information, please contact:

George J. Pohorilak, Chairman
Region 19, 700 MHz Public Safety Planning Committee
Division of Fire, Emergency and Building Services
1111 Country Club Road
Middletown, CT 06457-9294
(860) 685-8108 (voice)
(860) 685-8363 (fax)
Email: george.pohorilak@po.state.ct.us

Jerry Zarwanski, Vice-Chairman
Department of Public Safety

(over)

Division of Fire, Emergency and Building Services
P.O. Box 2794
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Federal Communications Commission
445 12th St., S.W.
Washington, D.C. 20554

DA 04-134
January 23, 2004

WIRELESS TELECOMMUNICATONS BUREAU

NEW ENGLAND (REGION 19) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES PLANNING MEETING

The New England (Region 19) 700 MHz Public Safety Planning Committee announces that its next meeting will be held on Tuesday, March 9, 2004 at 10:00 a.m., at the Massachusetts State Police General Headquarters, 470 Worcester Road, Framingham, Massachusetts.

The purpose of this meeting is to continue developing a Regional Plan to meet the needs of the 700 MHz and 4.9 GHz spectrum users including Public Safety, Public Health, Emergency Management and Utility services.

The Region 19 700 MHz Public Safety Planning Committee meeting is open to the public. All eligible public safety providers whose sole purpose or principal purpose is to protect the safety of life, health, or property in the States of Massachusetts, Rhode Island, Maine, Vermont, New Hampshire, and Connecticut would utilize these frequencies. It is essential that participants be representatives of all eligible public safety providers in order to ensure that each agency's future spectrum needs are considered in the allocation process. Administrators who are not oriented in the communications field should delegate someone with this knowledge to attend, participate and represent their agency's needs.

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band and/or the newly allocated 4.9 GHz band within Region 19 should plan to attend. For further information, please contact:

George J. Pohorilak, Chairman
Region 19, 700 MHz Public Safety Planning Committee
Division of Fire, Emergency and Building Services

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445 12th St., S.W.
Washington, D.C. 20554

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DA 04-1311
May 11, 2004

WIRELESS TELECOMMUNICATONS BUREAU

NEW ENGLAND (REGION 19) 700 MHz PUBLIC SAFETY PLANNING COMMITTEE ANNOUNCES PLANNING MEETING

The Region 19 (New England) 700 MHz Public Safety Regional Planning Committee announces that the 15th meeting of the Region 700 MHz Public Safety Regional Planning Committee and 4.9GHz will be held Tuesday, June 8, 2004 at 10:00 a.m.- 12:00p.m., at the Brattleboro, Vermont Municipal Center, Grove St., Brattleboro, Vermont 05301

The meeting of the Region 700 MHz National Public Safety Regional Planning committee will convene at 10:00 a.m. The purpose of this meeting is to continue developing a Region plan to meet the needs of the 700 MHz spectrum users including Public Safety, Public Health, Emergency Management and Utility services.

The Region 19 700 MHz Public Safety Planning Committee meeting is open to the public. All eligible public safety providers whose sole purpose or principal purpose is to protect the safety of life, health, or property in the States of Massachusetts, Rhode Island, Maine, Vermont, New Hampshire, and Connecticut would utilize these frequencies. It is essential that participants be representatives of all eligible public safety providers in order to ensure that each agency's future spectrum needs are considered in the allocation process. Administrators who are not oriented in the communications field should delegate someone with this knowledge to attend, participate and represent their agency's needs.

All interested parties wishing to participate in the planning for the use of new public safety spectrum in the 700 MHz band and/or the newly allocated 4.9 GHz band within Region 19 should plan to attend. For further information, please contact:

George Pohorilak, Chairman
Department of Public Safety
1111 Country Club Road
P.O. Box 2794
Middletown, CT 06457-9294
Phone: 860-685-8108
Fax: 860-685-8363
Email: george.pohorilak@po.state.ct.us

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Fax: 860-685-8363
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APPENDIX K

NEW ENGLAND REGION 19
47 CFR PART 90 - PRIVATE LAND MOBILE RADIO SERVICES

Subpart R - Regulations Governing the Licensing and Use of Frequencies in the 764–776 and 794–806 MHz Bands

§ 90.521 Scope.

This subpart sets forth the regulations governing the licensing and operations of all systems operating in the 764–776 MHz and 794–806 MHz frequency bands. It includes eligibility, operational, planning and licensing requirements and technical standards for stations licensed in these bands. The rules in this subpart are to be read in conjunction with the applicable requirements contained elsewhere in this part; however, in case of conflict, the provisions of this subpart shall govern with respect to licensing and operation in these frequency bands.

§ 90.523 Eligibility.

This section implements the definition of public safety services contained in 47 U.S.C. § 337(f)(1). The following are eligible to hold Commission authorizations for systems operating in the 764–776 MHz and 794–806 MHz frequency bands:

(a) *State or local government entities.* Any territory, possession, state, city, county, town, or similar State or local governmental entity is eligible to hold authorizations in the 764–776 MHz and 794–806 MHz frequency bands.

(b) *Nongovernmental organizations.* A nongovernmental organization (NGO) that provides services, the sole or principal purpose of which is to protect the safety of life, health, or property,

is eligible to hold an authorization for a system operating in the 764–776 MHz and 794–806 MHz frequency bands for transmission or reception of communications essential to providing such services if (and only for so long as) the NGO applicant/licensee:

(1) Has the ongoing support (to operate such system) of a state or local governmental entity whose mission is the oversight of or provision of services, the sole or principal purpose of which is to protect the safety of life, health, or property;

(2) Operates such authorized system solely for transmission of communication essential to providing services the sole or principal purpose of which is to protect the safety of life, health, or property; and

(3) All applications submitted by NGOs must be accompanied by a new, written certification of support (for the NGO applicant to operate the applied for system) by the state or local governmental entity referenced in paragraph (b)(1) of this section.

(c) *All NGO authorizations are conditional.* NGOs assume all risks associated with operating under conditional authority. Authorizations issued to NGOs to operate systems in the 764–776 MHz and 794–806 MHz frequency bands include the following condition: If at any time the supporting governmental entity (see paragraph (b)(1)) notifies the Commission in writing of such governmental entity's termination of its authorization of a NGO's operation of a system in the 764–776 MHz and 794–806 MHz frequency bands, the NGO's application shall be dismissed automatically or, if authorized by the Commission, the NGO's authorization shall terminate automatically.

(d) Paragraphs (a) and (b) notwithstanding, no entity is eligible to hold an authorization for a system operating in the 764–776 MHz and 794–806 MHz frequency bands on the basis of services, the sole or principal purpose of which is to protect the safety of life, health or property, that such entity makes commercially available to the public.

§ 90.525 Administration of Interoperability channels

(a) States are responsible for administration of the Interoperability channels in the 764–776 MHz and 794–806 MHz frequency bands. Base and control stations must be licensed individually. A public safety entity meeting the requirements of § 90.523 may operate mobile or portable units on the Interoperability channels in the 764–776 MHz and 794–806 MHz frequency bands without a specific authorization from the Commission provided it holds a part 90 license. All persons operating mobile or portable units under this authority are responsible for compliance with part 90 of these rules and other applicable federal laws.

(b) License applications for Interoperability channels in the 764–776 MHz and 794–806 MHz frequency bands must be approved by a state-level agency or organization responsible for administering state emergency communications. States may hold the licenses for Inter-operability channels or approve other qualified entities to hold such licenses. States may delegate the approval process for Interoperability channels to another entity, such as regional planning committees.

§ 90.527 Regional plan requirements.

Each regional planning committee must submit a regional plan for approval by the Commission.

(a) *Common elements.* Regional plans must incorporate the following common elements:

(1) Identification of the document as the regional plan for the defined region with the names, business addresses, business telephone numbers, and organizational affiliations of the chairpersons and all members of the planning committee.

(2) A summary of the major elements of the plan and an explanation of how all eligible entities within the region were given an opportunity to participate in the planning process and to have their positions heard and considered fairly.

(3) A general description of how the spectrum would be allotted among the various eligible users within the region with an explanation of how the requirements of all eligible entities within the region were considered and, to the degree possible, met.

(4) An explanation as to how needs were assigned priorities in areas where not all eligible entities could receive licenses.

(5) An explanation of how the plan had been coordinated with adjacent regions.

(6) A detailed description of how the plan put the spectrum to the best possible use by requiring system design with minimum coverage areas, by assigning frequencies so that maximum frequency reuse and offset channel use may be made, by using trunking, and by requiring small entities with minimal requirements to join together in using a single system where possible.

(7) A detailed description of the future planning process, including, but not limited to, amendment process, meeting announcements, data base maintenance, and dispute resolution.

(8) A certification by the regional planning chairperson that all planning committee meetings, including subcommittee or executive committee meetings, were open to the public.

(b) *Modification of regional plans.* Regional plans may be modified by submitting a written request, signed by the regional planning committee, to the Chief, Wireless Telecommunications Bureau. The request must contain the full text of the modification, and must certify that successful coordination of the modification with all adjacent regions has occurred and that all such regions concur with the modification.

§ 90.529 State License.

(a) Narrowband channels designated as state channels in § 90.531 are licensed to each state (as defined in § 90.7) as follows:

(1) Each state that chooses to take advantage of the spectrum designated as state channels must file an application for up to 2.4 megahertz of this spectrum no later than December 31, 2001. For purposes of this section, the elected chief executive (Governor) of each state, or his or her designee, shall be deemed the person authorized to apply for the State License.

(2) What ever part of this 2.4 megahertz that a state has not applied for by December 31, 2001, will revert to General Use and be administered by the relevant RPC (or RPCs in the instances of states that encompass multiple RPCs).

(b) Each state license will be granted subject to the condition that the state certifies on or before each applicable benchmark date that it is:

(1) providing or prepared to provide ‘‘substantial service’’ to one-third of their population or territory by January 1, 2012, *i.e.,* within five years of the date that incumbent broadcasters are required to relocate to other portions of the spectrum;

(2) providing or prepared to provide ‘‘substantial service’’ to two-thirds of their population or territory by January 1, 2017, *i.e.,* within ten years of the date that incumbent broadcasters are required to relocate to other portions of the spectrum.

(c) The Commission will deem a state ‘‘prepared to provide substantial service’’ if the licensee certifies that a radio system has been approved and funded for implementation by the deadline date. ‘‘Substantial service’’ refers to the construction and operation of 700 MHz facilities by public safety entities providing service which is sound, favorable , and substantially above a level of mediocre service which just might minimally warrant renewal.

(d) If a state licensee fails to meet any condition of the grant the state license is modified automatically to the frequencies and geographic areas where the state certifies that it is providing substantial service.

(e) Any recovered state license spectrum will revert to General Use. However, spectrum licensed to a state under a state license remains unavailable for reassignment to other applicants until the Commission’s database reflects the parameters of the modified state license.

§ 90.531 Band plan.

This section sets forth the band plan for the 764–776 MHz and 794–806 MHz public safety bands.

(a) *Base and mobile use.* The 764–776 MHz band may be used for base, mobile or fixed (repeater) transmissions. The 794–806 MHz band may be used only for mobile or fixed (control) transmissions.

(b) *Narrowband segments.* There are four band segments that are designated for use with narrowband emissions. Each of these narrowband segments is divided into 480 channels having a channel size of 6.25 kHz as follows:

Frequency range	Channel Nos.
764–767 MHz	1–480
773–776 MHz	481–960
794–797 MHz	961–1440
803–806 MHz	1441–1920

(1) *Narrowband interoperability channels.* The following narrowband channels are designated for nationwide interoperability licensing and use:

23, 24, 39, 40, 63, 64, 79, 80, 103, 104, 119, 120,143, 144, 159, 160, 183, 184, 199, 200, 223, 224, 239, 240, 263, 264, 279, 280, 303, 304, 319, 320, 641, 642, 657, 658, 681, 682, 697, 698, 721, 722, 737, 738, 761, 762, 777, 778, 801, 802, 817, 818, 841, 842, 857, 858, 881, 882, 897, 898, 921, 922, 937, 938, 983, 984, 999, 1000, 1023, 1024, 1039, 1040, 1063, 1064, 1079, 1080, 1103, 1104, 1119, 1120, 1143, 1144, 1159, 1160, 1183, 1184, 1199, 1200, 1223, 1224, 1239, 1240, 1263, 1264, 1279, 1280, 1601, 1602, 1617, 1618, 1641, 1642, 1657, 1658, 1681, 1682, 1697, 1698, 1721, 1722, 1737, 1738, 1761, 1762, 1777, 1778, 1801, 1802, 1817, 1818, 1841, 1842, 1857, 1858, 1881, 1882, 1897, 1898.

(i) *Narrowband data Interoperability channels.* The following channel pairs are reserved nationwide for the express purpose of data transmission only: 279/1239, 280/1240, 921/1881, and 922/1882.

(ii) *Narrowband calling Interoperability channels.* The following channel pairs are dedicated nationwide for the express purpose of *Interoperability* calling only: 39/999, 40/1000, 681/1641, and 682/1642. They may not be used primarily for routine, day-to-day communications. Encryption is prohibited on the designated calling channels.

(iii) *Narrowband trunking Interoperability channels.* The following interoperability channel pairs may be combined with the appropriate adjacent secondary trunking channel pairs and used in the trunked mode on a secondary basis to conventional interoperability operations: 23/983, 24/984, 63/1023, 64/1024, 103/1063, 104/1064, 143/1103, 144/1104, 183/1143, 184/1144, 223/1183, 224/1184, 263/1223, 264/1124, 303/1263 and 304/1264. For every ten general use channels trunked at a station, entities may obtain a license to operate in the trunked mode on two of the above contiguous Interoperability channel pairs. The maximum number of Interoperability channel pairs that can be trunked at any one location is eight.

(2) *Narrowband reserve channels.* The following narrowband channels are undesignated and reserved: 117, 118, 157, 158, 197, 198, 237, 238, 643, 644, 659, 660, 683, 684, 699, 700, 723, 724, 739, 740, 763, 764, 779, 780, 803, 804, 819, 820, 843, 844, 859, 860, 883, 884, 899, 900, 923, 924, 939, 940, 1077, 1078, 1117, 1118, 1157, 1158, 1197, 1198, 1603, 1604, 1619, 1620, 1643, 1644, 1659, 1660, 1683, 1684, 1699, 1700, 1723, 1724, 1739, 1740, 1763, 1764, 1779, 1780, 1803, 1804, 1819,1820, 1843, 1844, 1859, 1860, 1883, 1884, 1899, 1900.

(3) *Narrowband low power channels subject to regional planning.* The following narrowband channels are designated for low power use for on-scene incident response purposes using mobiles and portables subject to Commission-approved regional planning committee regional plans. Transmitter power must not exceed 2 watts (ERP): Channels 1–8 paired with Channels 961–968, and Channels 949–958 paired with Channels 1909–1918.

(4) *Narrowband low power itinerant channels.* The following narrowband channels are designated for low power use for on-scene incident response purposes using mobiles and portables. These channels are licensed nationwide for itinerant operation. Transmitter power must not exceed 2 watts (ERP): Channels 9–12 paired with Channels 969–972 and Channels 959–960 paired with Channels 1919–1920.

(5) *Narrowband state channel.* The following narrowband channels are designated for direct licensing to each state (including U.S. territories, districts, and possessions):
25–36, 65–76, 105–116, 145–156, 185–196, 225–236, 265–276, 305–316, 645–656, 685–696, 725–736, 765–776, 805–816, 845–856, 885–896, 925–936, 985–996, 1025–1036, 1065–1076, 1105–1116, 1145–1156, 1185–1196, 1225–1236, 1265–1276, 1605–1616, 1645–1656, 1685–1696, 1725–1736, 1765–1776, 1805–1816, 1845–1856, 1885–1896.

(6) *Narrowband general use channels.* All narrowband channels established in paragraph (b) of this section, other than those listed in paragraphs (b)(1), (b)(2), (b)(4) and (b)(5) of

this section are designated for assignment to public safety eligibles subject to Commission-approved regional planning committee regional plans.

(7) *Secondary trunking channels.* The following channels pairs are reserved for secondary trunking operations: 21/981, 22/982, 61/1021, 62/1022, 101/1061, 102/1062, 141/1101, 142/1102, 181/1141, 182/1142, 221/1181, 222/1182, 261/1221, 262/1222, 301/1261 and 302/1262. They may be used only in combination with the appropriate adjacent Interoperability channel pairs specified in (b)(1)(iii) of this section in trunked systems.

(c) *Wideband segments.* There are two band segments that are designated for use with wideband emissions. Each of these wideband segments is divided into 120 channels having a channel size of 50 kHz as follows:

Frequency range	Channel Nos.
767–773 MHz	1–120
797–803 MHz	121–240.

(1) *Wideband interoperability channels.* The following wideband channels are designated for nationwide interoperability licensing and use: 28–30, 37–39, 46–48, 73–75, 83–84, 91–93, 148–150, 157–159, 166–168, 193–195, 202–204, 211–213.

(2) *Wideband reserve channels.* The following wideband channels are reserved: 1–27, 94–120, 121–147, 214–240.

(3) *Wideband general use channels.* All wideband channels established in paragraph (c), except for those listed in paragraphs (c)(1) and (c)(2) of this section, are designated for assignment to public safety eligibles subject to Commission-approved regional planning committee regional plans.

(d) *Combining channels.* At the discretion of the appropriate regional planning committee, contiguous channels may be used in combination in order to accommodate requirements for larger bandwidth emissions, in accordance with this paragraph. As an exception to this general rule, channels designated for nationwide interoperability use must not be combined with channels that are not designated for nationwide interoperability use.

(1) *Narrowband.* Two or four contiguous narrowband (6.25 kHz) channels may be used in combination as 12.5 kHz or 25 kHz channels, respectively. The lower (in frequency) channel for two channel combinations must be an odd (*i.e.,* 1, 3, 5, 7 * * *) numbered channel. The lowest (in frequency) channel for four channel combinations must be a channel whose number is equal to 1+(4 x n), where n = any integer between 0 and 479, inclusive (*e.g.,* channel number 1, 5, * * * 1917). Channel combinations are designated by the lowest and highest channel numbers separated by a hyphen, *e.g.,* ''1–2'' for a two channel combination and ''1–4'' for a four channel combination.

(2) *Wideband.* Two or three contiguous wideband (50 kHz) channels may be used in combination as 100 kHz or 150 kHz channels, respectively. The lower (in frequency) channel for two channel combinations must be a channel whose number is equal to 1+(3 x n) or 2+(3 x n), where n = any integer between 0 and 79, inclusive (*e.g.,* channel number 1, 2, 5, 6, * * * 238,

239). The lowest (in frequency) channel for three channel combinations must be a channel whose number is equal to 1+(3 x n), where n = any integer between 0 and 79, inclusive (*e.g.,* channel number 1, 5, * * * 238). Channel combinations are designated by the lowest and highest channel numbers separated by a hyphen, *e.g.,* ''1–2'' for a two channel combination and ''1–3'' for a three channel combination.

(e) *Channel pairing.* In general, channels must be planned and assigned in base/mobile pairs that are separated by 30 MHz. However, until December 31, 2006, channels other than those listed in paragraphs (b)(1) and (c)(1), may be planned and assigned in base/mobile pairs having a different separation, where necessary because 30 MHz base/mobile pairing is precluded by the presence of one or more co-channel or adjacent channel TV/DTV broadcast stations.

§ 90.533 Transmitting sites near the U.S./Canada or U.S./Mexico border.

This section applies to each license to operate one or more public safety transmitters in the 764–776 MHz and 794–806 MHz bands, at a location or locations North of Line A (see § 90.7) or within 120 kilometers (75 miles) of the U.S.-Mexico border, until such time as agreements between the government of the United States and the government of Canada or the government of the United States and the government of Mexico, as applicable, become effective governing border area non-broadcast use of these bands. Public safety licenses are granted subject to the following conditions:

(a) Operation of public safety transmitters must not cause harmful interference to the reception of television broadcasts transmitted by UHF TV broadcast stations located in Canada or Mexico. In addition, public safety base, control, and mobile transmitters must comply with the interference protection criteria in § 90.545 for TV/DTV stations in Canada and Mexico.

(b) Public safety facilities must accept any interference that may be caused by operations of UHF television broadcast transmitters in Canada and Mexico.

(c) Conditions may be added during the term of the license, if required by the terms of international agreements between the government of the United States and the government of Canada or the government of the United States and the government of Mexico, as applicable, regarding non-broadcast use of the 764–776 MHz and 794–806 MHz bands.

§ 90.535 Modulation and spectrum usage efficiency requirements.

Transmitters designed to operate in 764–776 MHz and 794–806 MHz frequency bands must meet the following modulation standards:

(a) All transmitters in the 764–776 MHz and 794–806 MHz frequency bands must use digital modulation. Mobile and portable transmitters may have analog modulation capability only as a secondary mode in addition to its primary digital mode. Mobile and portable transmitters that only operate on the low power channels designated in §§ 90.531(b)(3), 90.531(b)(4), are exempt from this digital modulation requirement.

(b) Transmitters designed to operate in the narrowband segment using digital modulation must be capable of maintaining a minimum data rate of 4.8 kbps per 6.25 kHz of bandwidth.

(c) Transmitters designed to operate in the wideband segment using digital modulation must be capable of maintaining a minimum data rate of 384 kbps per 150 kHz of bandwidth.

§ 90.537 Trunking requirement.

(a) *General use channels.* All systems using six or more narrowband channels in the 764–776 MHz and 794–806 MHz frequency bands must be trunked systems, except for those described in paragraph (b) of this section.

(b) *Interoperability channels.* Trunking is permitted only on Interoperability channels specified in § 90.531(b)(1)(iii). Trunked use must be strictly on a secondary, non-interference basis to conventional operations. The licensee must monitor and immediately release these channels when they are needed for interoperability purposes.

§ 90.539 Frequency stability.

Transmitters designed to operate in 764–776 MHz and 794–806 MHz frequency bands must meet the frequency stability requirements in this section.

(a) Mobile, portable and control transmitters must normally use automatic frequency control (AFC) to lock on to the base station signal.

(b) The frequency stability of base transmitters operating in the narrowband segment must be 100 parts per billion or better.

(c) The frequency stability of mobile, portable, and control transmitters operating in the narrowband segment must be 400 parts per billion or better when AFC is locked to the base station. When AFC is not locked to the base station, the frequency stability must be at least 1.0 ppm for 6.25 kHz, 1.5 ppm for 12.5 kHz (2 channel aggregate), and 2.5 ppm for 25 kHz (4 channel aggregate).

(d) The frequency stability of base transmitters operating in the wideband segment must be 1 part per million or better.

(e) The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 parts per million or better when AFC is locked to a base station, and 5 parts per million or better when AFC is not locked.

§ 90.541 Transmitting power limits.

The transmitting power of base, mobile, portable and control stations operating in the 764–776 MHz and 794–806 MHz frequency bands must not exceed the maximum limits in this section, and must also comply with any applicable effective radiated power limits in § 90.545.

(a) The transmitting power of base transmitters must not exceed the limits given in paragraphs (a), (b) and (c) of § 90.635.

(b) The transmitter output power of mobile and control transmitters must not exceed 30 Watts.

(c) The transmitter output power of portable (hand-held) transmitters must not exceed 3 Watts.

(d) Transmitters operating on the narrowband low power channels listed in §§ 90.531(b)(3), 90.531(b)(4), must not exceed 2 watts (ERP).

§ 90.543 Emission limitations.
Transmitters designed to operate in 764–776 MHz and 794–806 MHz frequency bands must meet the emission limitations in this section.

(a) The adjacent channel coupled power (ACCP) requirements for transmitters designed for various channel sizes are shown in the following tables. Mobile station requirements apply to handheld, car mounted and control station units. The tables specify a maximum value for the ACCP relative to maximum output power as a function of the displacement from the channel center frequency. In addition, the ACCP for a mobile station transmitter at the specified frequency displacement must not exceed the value shown in the tables. For transmitters that have power control, the latter ACCP requirement can be met at maximum power reduction. In the following charts, ‘‘(s)’’ means a swept measurement is to be used.

6.25 KHZ MOBILE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)	Maximum ACCP Absolute (dBm)
6.25	6.25	-40	(1)
12.5	6.25	-60	-45
18.75	6.25	-60	-45
25	6.25	-65	-50
37.5	25	-65	-50
62.5	25	-65	-50
87.5	25	-65	-50
150	100	-65	-50
250	100	-65	-50
>400 to receive band	30(s)	-75	-55
in the receive band	30(s)	-100	-70

(1) Not specified.

12.5 KHZ MOBILE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)	Maximum ACCP Absolute (dBm)
9.375	6.25	-40	(1)
15.625	6.25	-60	-45
21.875	6.25	-60	-45
37.5	25	-65	-50
62.5	25	-65	-50
87.5	25	-65	-50
150	100	-65	-50
250	100	-65	-50
>400 to receive band	30(s)	-75	-55
in the receive band	30(s)	-100	-70

(1) Not specified.

25 KHZ MOBILE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)	Maximum ACCP Absolute (dBm)
15.625	6.25	-40	(1)
21.875	6.25	-60	-45
37.5	25	-65	-50
62.5	25	-65	-50
87.5	25	-65	-50
150	100	-65	-50
250	100	-65	-50
>400 to receive band	30(s)	-75	-55
in the receive band	30(s)	-100	-70

(1) Not specified.

150 KHZ MOBILE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)	Maximum ACCP Absolute (dBm)
100	50	-40	(1)
200	50	-50	-35
300	50	-50	-35
400	50	-50	-35
600 to 1000	30(s)	-60	-45
1000 to receive band	30(s)	-70	-55
in the receive band	30(s)	-100	-75

(1) Not specified.

6.25 KHZ BASE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP (dBc)
6.25	6.25	-40
12.5	6.25	-60
18.7	6.25	-60
25	6.25	-65
37.5	25	-65
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
>400 to receive band	30(s)	(1)
in the receive band	30(s)	-100

(1) -80 (continues @-6dB/oct)

12.5 KHZ BASE TRASMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)
9.375	6.25	-40
15.625	6.25	-60
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
>400 to receive band	30(s)	(1)
in the receive band	30(s)	-100

(1) -80 (continues @-6dB/oct)

25 KHZ BASE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)
15.625	6.25	-40
21.875	6.25	-60
37.5	25	-60
62.5	25	-65
87.5	25	-65
150	100	-65
250	100	-65
>400 to receive band	30(s)	(1)
in the receive band	30(s)	-100

(1) -80 (continues @-6dB/oct)

150 KHZ BASE TRANSMITTER ACCP REQUIREMENTS

Offset from Center Frequency (kHz)	Measurement Bandwidth (kHz)	Maximum ACCP Relative (dBc)
100	50	-40
200	50	-50
300	50	-55
400	50	-60
600 to 1000	30(s)	-65
1000 to receive band	30(s)	(1)
in the receive band	30(s)	-100

(1) -75 (continues @ -6dB/oct)

(b) *ACCP measurement procedure.* The following are procedures for making transmitter measurements. For time division multiple access (TDMA) systems, the measurements are to be made under TDMA operation only during time slots when the transmitter is on. All measurements must be made at the input to the transmitter's antenna. Measurement bandwidth used below implies an instrument that measures the power in many narrow bandwidths (e.g. 300 Hz) and integrates these powers across a larger band to determine power in the measurement bandwidth.

(1) *Setting reference level.* Using a spectrum analyzer capable of ACCP measurements, set the measurement bandwidth to the channel size. For example, for a 6.25 kHz transmitter, set the measurement bandwidth to 6.25 kHz; for a 150 kHz transmitter, set the measurement bandwidth to 150 kHz. Set the frequency offset of the measurement bandwidth to zero and adjust the center frequency of the spectrum analyzer to give the power level in the measurement bandwidth. Record this power level in dBm as the ''reference power level''.

(2) *Measuring the power level at frequency offsets <600kHz.* Using a spectrum analyzer capable of ACCP measurements, set the measurement bandwidth as shown in the tables above. Measure the ACCP in dBm. These measurements should be made at maximum power. Calculate the coupled power by subtracting the measurements made in this step from the reference power measured in the previous step. The absolute ACCP values must be less than the values given in the table for each condition above.

(3) *Measuring the power level at frequency offsets >600kHz.* Set a spectrum analyzer to 30 kHz resolution bandwidth, 1 MHz video bandwidth and sample mode detection. Sweep □6 MHz from the carrier frequency. Set the reference level to the RMS value of the transmitter power and note the absolute power. The response at frequencies greater than 600 kHz must be less than the values in the tables above.

(4) *Upper power limit measurement.* The absolute coupled power in dBm measured above must be compared to the table entry for each given frequency offset. For those mobile stations with power control, these measurements should be repeated with power control at maximum power reduction. The absolute ACCP at maximum power reduction must be less than the values in the tables above.

(c) *Out-of-band emission limit.* On any frequency outside of the frequency ranges covered by the ACCP tables in this section, the power of any emission must be reduced below the unmodulated carrier power (P) by at least 43 + 10 log (P) dB.

(d) *Authorized bandwidth.* Provided that the ACCP requirements of this section are met, applicants may request any authorized bandwidth that does not exceed the channel size.

(e) For operations in the 764 to 776 MHz and 794 to 806 MHz bands, all emissions including harmonics in the band 1559–1610 MHz shall be limited to –70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

(f) When an emission outside of the authorized bandwidth causes harmful interference, the Commission may, at its discretion, require greater attenuation than specified in this section.

§ 90.545 TV/DTV interference protection criteria.

Public safety base, control, and mobile transmitters in the 764–776 MHz and 794–806 MHz frequency bands must be operated only in accordance with the rules in this section, to reduce the potential for interference to public reception of the signals of existing TV and DTV broadcast stations transmitting on TV Channels 62, 63, 64, 65, 67, 68 or 69.

(a) *D/U ratios.* Licensees of public safety stations must choose site locations that are a sufficient distance from co-channel and adjacent channel TV and DTV stations, and/or must use reduced transmitting power or transmitting antenna height such that the following minimum desired signal to undesired signal ratios (D/U ratios) are met:

(1) The minimum D/U ratio for co-channel stations is 40 dB at the hypothetical Grade B contour (64 dBμV/m) (88.5 kilometers or 55.0 miles) of the TV station or 17 dB at the equivalent Grade B contour (41 dBμV/m) (88.5 kilometers or 55.0 miles) of the DTV station.

(2) The minimum D/U ratio for adjacent channel stations is 0 dB at the hypothetical Grade B contour (64 dBμV/m) (88.5 kilometers or 55.0 miles) of the TV station or -23 dB at the equivalent Grade B contour (41 dBμV/m) (88.5 kilometers or 55.0 miles) of the DTV station.

(b) *Maximum ERP and HAAT.* The maximum effective radiated power (ERP) and the antenna height above average terrain (HAAT) of the proposed land mobile base station, the associated control station, and the mobile transmitters shall be determined using the methods described in this section.

(1) Each base station is limited to a maximum ERP of 1000 watts.

(2) Each control station is limited to a maximum ERP of 200 watts and a maximum HAAT of 61 m. (200 ft).

(3) Each mobile station is limited to a maximum ERP of 30 watts and a maximum antenna height of 6.1 m. (20 ft.).

(4) Each portable (handheld) transmitter is limited to a maximum ERP of 3 watts.

(5) All transmitters are subject to the power reductions given in Figure B of § 90.309 of this chapter, for antenna heights higher than 152 meters (500 ft).

(c) *Methods.* The methods used to calculate TV contours and antenna heights above average terrain are given in §§ 73.683 and 73.684 of this chapter. Tables to determine the necessary minimum distance from the public safety station to the TV/DTV station, assuming that the TV/DTV station has a hypothetical or equivalent Grade B contour of 88.5 kilometers (55.0

miles), are located in § 90.309 and labeled as Tables B, D, and E. Values between those given in the tables may be determined by linear interpolation. The locations of existing and proposed TV/DTV stations during the transition period are given in Part 73 of this chapter and in the final proceedings of MM Docket No. 87–268. The DTV allotments are:

State	City	NTSC TV Ch.	DTV Ch.	ERP (kW)	HAAT (m)
California	Stockton	64	62	63.5	874
California	Los Angeles	11	65	688.7	896
California	Riverside	62	68	180.1	723
California	Concord	42	63	61.0	856
Pennsylvania	Allentown	39	62	50.0	302
Pennsylvania	Philadelphia	6	64	1000.0	332
Pennsylvania	Philadelphia	10	67	791.8	354
Puerto Rico	Aguada	50	62	50.0	343
Puerto Rico	Mayaguez	16	63	50.0	347
Puerto Rico	Naranjito	64	65	50.0	142
Puerto Rico	Aguadilla	12	69	691.8	665

The transition period is scheduled to end on December 31, 2006. After that time, unless otherwise directed by the Commission, public safety stations will no longer be required to protect reception of co-channel or adjacent channel TV/DTV stations.

(1) Licensees of stations operating within the ERP and HAAT limits of paragraph (b) must select one of three methods to meet the TV/DTV protection requirements, subject to Commission approval:

(i) utilize the geographic separation specified in the tables referenced below;

(ii) submit an engineering study justifying the proposed separations based on the actual parameters of the land mobile station and the actual parameters of the TV/DTV station(s) it is trying to protect; or,

(iii) obtain written concurrence from the applicable TV/DTV station(s). If this method is chosen, a copy of the agreement must be submitted with the application.

(2) The following is the method for geographic separations.

(i) Base stations having an antenna height (HAAT) less than 152 m. (500 ft.) shall afford protection to co-channel and adjacent channel TV/DTV stations in accordance with the values specified in Table B (co-channel frequencies based on 40 dB protection) and Table E (adjacent channel frequencies based on 0 dB protection) in § 90.309 of this part. For base stations having an antenna height (HAAT) between 152–914 meters (500–3,000 ft.) the effective radiated power must be reduced below 1 kilowatt in accordance with the values shown in the power reduction graph in Figure B in § 90.309 of this part. For heights of more than 152 m. (500 ft.) above average terrain, the distance to the radio path horizon will be calculated assuming smooth earth. If the distance so determined equals or exceeds the distance to the hypothetical or equivalent Grade B contour of a co-channel TV/DTV station (*i.e.,* it exceeds the distance from the appropriate Table in § 90.309 to the relevant TV/DTV station) an authorization will not be granted unless it can be shown in an engineering study (method 2) that actual terrain considerations are such as to provide the desired protection at the actual Grade B contour (64 dBμV/m for TV and 41 dBμV/m for DTV stations), or that the effective radiated power will be further reduced so that, assuming free space attenuation, the desired protection at the actual Grade B contour (64 dBμV/m for TV and 41 dBμV/m coverage contour for DTV stations) will

be achieved. Directions for calculating powers, heights, and reduction curves are listed in § 90.309 for land mobile stations. Directions for calculating coverage contours are listed in §§ 73.683–685 for TV stations and in § 73.625 for DTV stations.

(ii) Control and mobile stations (including portables) are limited in height and power and therefore shall afford protection to co-channel and adjacent channel TV/DTV stations in accordance with the values specified in Table D (co-channel frequencies based on 40 dB protection) in § 90.309 of this part and a minimum distance of 8 kilometers (5 miles) from all adjacent channel TV/DTV station hypothetical or equivalent Grade B contours (adjacent channel frequencies based on 0 dB protection for TV stations and -23 dB for DTV stations). Since control and mobile stations may affect different TV/DTV stations than the associated base station, particular care must be taken by applicants to ensure that all the appropriate TV/DTV stations are considered (*e.g.,* a base station may be operating on TV Channel 64 and the mobiles on TV Channel 69, in which case TV Channels 63, 64, 65, 68, and 69 must be protected). Since mobiles and portables are able to move and communicate with each other, licensees or coordinators must determine the areas where the mobiles can and cannot roam in order to protect the TV/DTV stations, and advise the mobile operators of these areas and their restrictions.

(iii) In order to protect certain TV/DTV stations and to ensure protection from these stations which may have extremely large contours due to unusual height situations, an additional distance factor must be used by all public safety base, control and mobile stations. For all co-channel and adjacent channel TV/DTV stations which have an HAAT between 350 and 600 meters, public safety stations must add the following DISTANCE FACTOR to the value obtained from the referenced Tables in § 90.309 and to the distance for control and mobile stations on adjacent TV/DTV channels (96.5 km).

DISTANCE FACTOR = (TV/DTV HAAT-350) ÷14 in kilometers, where HAAT is the TV or DTV station antenna height above average terrain obtained from its authorized or proposed facilities, whichever is greater.

(iv) For all co-channel and adjacent channel TV/DTV stations which have an antenna height above average terrain greater than 600 meters, public safety stations must add 18 kilometers as the DISTANCE FACTOR to the value obtained from the referenced Tables in § 90.309 and to the distance for control and mobile stations on adjacent TV/DTV channels (96.5 km).

NOTE TO § 90.545: The 88.5 km (55.0 mi) Grade B service contour (64 dBμV/m) is based on a hypothetical TV station operating at an effective radiated power of one megawatt, a transmitting antenna height above average terrain of 610 meters (2000 feet) and the Commission's R–6602 F(50,50) curves. *See* § 73.699 of this chapter. Maximum facilities for TV stations operating in the UHF band are 5 megawatts effective radiated power at an antenna HAAT of 610 meters (2,000 feet). *See* § 73.614 of this chapter. The equivalent contour for DTV stations is based on a 41 dBμV/ m signal strength and the distance to the F(50,90) curve. *See* § 73.625 of this chapter.

§ 90.547 Interoperability channel capability requirement.

Except as noted below, mobile and portable transmitters operating in the 764–776 MHz and 794–806 MHz frequency bands must be capable of operating on all of the designated nationwide narrowband Interoperability channels pursuant to the standards specified in this part.

(a) Mobile and portable transmitters that are designed to operate only on the Low Power Channels specified in §§ 90.531(b)(3) and (b)(4) are exempt from this Interoperability channel requirement.

(b) Mobile and portable transmitters that are designed to operate only on the narrowband data Interoperability channels specified in § 90.531 (b)(1)(i) are exempt from this Interoperability channel requirement.

(c) Mobile and portable transmitters that are designed to operate only in the voice mode do not have to operate on the narrowband data Interoperability channels specified in § 90.531 (b)(1)(i).

§ 90.548 Interoperability technical standards.

(a) Transmitters operating on those narrowband channels in the 764–776 and 794–806 MHz band designated for interoperability (*See* 90.531) shall conform to the following technical standards:

(1) Transmitters designed for voice operation shall include a 12.5 kHz bandwidth mode of operation conforming to the following standards: ANSI/TIA/EIA 102.BAAA–1 (common air interface) for operation in the 12.5 kHz FDM mode; ANSI/TIA/EIA 102.BABA (vocoder).

(2) Transmitters designed for data transmission shall include a 12.5 kHz bandwidth mode of operation conforming to the following standards: ANSI/TIA/EIA 102.BAEA (data overview); ANSI/TIA/EIA 102.BAEB (packet data specification); ANSI/TIA/EIA 102.BAEC (circuit data specification); ANSI/TIA/EIA 102.BAEA (radio control protocol); ANSI/TIA/EIA 102.BAAA–1 (common air interface) for operation in the 12.5 kHz FDM mode.

(b) Copies of the standards listed in this Section that are incorporated by reference can be purchased from the American National Standards Institute, Washington, DC Headquarters, 1819 L Street, NW, 6th Floor, Washington, DC 20036.

(c) Copies of the standards listed in this Section that are incorporated by reference may be inspected at the Federal Communications Commission, 445 12th Street, SW, Washington, DC (Reference Information Center) or at the Office of the Federal Register, 800 North Capitol Street, NW, Suite 700, Washington DC.

§ 90.549 Transmitter certification.

Transmitters operated in the 764–776 MHz and 794–806 MHz frequency bands must be certificated as required by § 90.203.

§ 90.551 Construction requirements.

Each station authorized under this subpart to operate in the 764–776 MHz and 794–806 MHz frequency bands must be constructed and placed into operation within 12 months from the date of grant of the authorization. However, licensees may request a longer construction period, up to but not exceeding 5 years, pursuant to § 90.155(b).

§ 90.553 Encryption.

(a) Encryption is permitted on all but the two nationwide Interoperability calling channels. Radios employing encryption must have a readily accessible switch or other readily accessible control that permits the radio user to disable encryption.

(b) If Encryption is employed then the following encryption protocol must be used: TIA/EIA IS AAAA–A Project 25 DES.

(c) Copies of the standards listed in this Section that are incorporated by reference can be purchased from TIA/EIA, 2500 Wilson Boulevard, Arlington, VA, 22201, or Global Engineering Documents, 155 Inverness Way East, Englewood, CO 80112.

APPENDIX M
REGION 19 - NEW ENGLAND NOTIFICATION LIST

Last Name	First Name	Agency	Work Address
Aiken	Douglas	Lakes Region Mutual Fire Aid	62 Communications Drive Laconia, NH 03246
Auidi	Frank	Connecticut Department of Information Technology	101 East River Dr. East Hartford, CT 06108
Balboni	Phillip	Boston Emergency Medical Services	767 Albany St. Boston, MA 02115
Baril	Michael	Central Massachusetts Public Safety	
Beckwith	Peter	USAR	
Bell	James	Rhode Island Emergency Management Agency	Rhode Island
Biron	Peter	Rhode Island State Police	Rhode Island
Brown	Stephan	Connecticut Department of Transportation, Aviation	Bradley Interntl. Airport Windsor Locks, CT 06096
Brown	Mark	Mohegan Indian Tribe	PO Box 488 Uncasville, CT 06382
Bruce	Gary	CMED New Haven	
Cady	Mark	Worcester Fire Depatment Massachusetts	141 Grove St. Worcester, MA 01605
Carbonell	George	Connecticut Department of Transportation	280 West St. Rocky Hill, CT 06067
Celli	Andy	Motorola - Connecticut	
Commander	Brenda	Houlton Bank Of Maliseet Indians	88 Bell Rd. Littleton, ME 04730
Crotty	Thomas	Rhode Island State Police	311 Danielson Pike N. Scituate, RI 02832
Cruikshank	Bob	Motorola - Massachusetts	9 Hazelnut Lane Londonderry, NH 03053
Dana	Barry	Penobsot Indian Nation	6 River Rd. Indian Island, ME 04468
Daniels	Craig	Marcus Communications	
Derdak	Elliot	Boston Emergency Medical Services	767 Albany St. Boston, MA 02115

Last Name	First Name	Agency	Work Address
DiBella	Bob	Town of Glastonbury, Connecticut	2155 Main St. Glastonbury, CT 06033
DiRaimo	Sal	NYSTEC	
Dobbins	Caleb	New Hampshire Department of Transportation	1 Hazen Dr.,PO Box 483 Concord, NH 03302
Doherty	Mary	M/A COM	Lowell, MA
Donahue	Kevin	M/A COM	Norwood, MA 02062
Doucette	Michael	New Hampshire State Polices Troop F	PO Box 440 Twin Mountain, NH 03595
Eierman	David	Motorola	7230 Parkway Dr. Hanover, MD 21076
Francis	Melvin	Passamaquoddy Tribe	Pleasant Point Reservation PO Box 343 Perry, ME 04667
Giacomini	John	Motorola	34 Pincrest Dr. Riverside, RI 02915
Gore	Ben	York Count 911, Maine	PO Box 604 Acton, ME 04001
Gustafson	John	New Haven Emergency Medical Dispatch	200 Orange St. New Haven, CT 06502
Gutkowski	Gary	Massachusetts State Police	470 Worcester Rd. Framingham, MA 01702
Hanlon	Richard	Massachusetts State Police	470 Worcester Rd. Framingham, MA 01702
Herrick	H.	New Hampshire Office of Emergency Management	107 Pleasant St. Concord, NH 03301
Kajunski	Vincent	Federal Communications Commission	1 Battery March Park Quincy, MA 01072
Kowalik	James	New Hampshire State Police	10 Hazen Dr. Concord, NH 03305
LaValley	Terry	Vermont State Police	103 South Main St. Waterbury, VT 05671
Leary	Paul	New Hampshire Department of Resource & Economic Development	172 Pembroke Rd. Concord, NH 03302
Mansfield	William	Nashua Police Department	PO Box 785 Nashua, NH 03301
Marcus	Stephen	Marcus Communications	

Last Name	First Name	Agency	Work Address
Martinez	Maribel	New York State, Office of Technology, Statewide Wireless Network	
McLoughlin	James	Hartford Fire Department	
Morris	Ernie	Motorola	PO Box 904 Kennebunk, ME 04043
Mosely	John	Massachusetts State Police	470 Worcester Rd. Framingham, MA 01702
Muise	Tom	Massachusetts Office of Emergency Management	400 Worcester Rd. Framingham, MA 01702
O'Brien	Arthur	Massachusetts Highway Department	10 Park Plaza, Rm. 7410 Boston, MA 02116
O'Donnell	Bernie	Connecticut Department of Information Technology	101 East River Dr. East Hartford, CT 06108
O'Hara	Sean		Syracuse Research-NYS
Ouellette	Andy	CFPC East Windsor	
Phillips	William	Aroostook Band of Micmacs	PO Box 772 Presque Isle, ME 04769
Pinkham	John	Massachusetts State Police	470 Worcester Rd. Framingham, MA 01702
Piper	Roy	Connecticut Military Department Office of Emergency Management	360 Broad St. Hartford, CT 06105
Plante	William	Maine Department of Transportation	16 State House Station Augusta, ME 04333
Pohorilak	George	Conn. Department of Public Safety, Office of Statewide Emergency Telecommunications	1111 Country Club Rd., Box 2794 Middletown, CT 06457
Pollack	Rick	Motorola - Massachusetts	92 Oak Hill Rd. Westford, CT 01886
Poole	Mark	Maine State Police	36 Hospital St. Augusta, ME 04333
Porter	Bill	Motorola Southboro, Massachusetts	MA
Richardson	Greg	Boston Fire Department	59 Fenway Boston, MA 02115
Schlieman	Robert	New York State, Office of Technology, Statewide Wireless Network	

Last Name	First Name	Agency	Work Address
Schroll	Ted	Connecticut Fire Chiefs TAC	
Shand	Gordon	Connecticut Department of Public Health	410 Capitol Ave., PO Box 340308 Hartford, CT 06134
Speidel	Bob	MA/COM	
Stanford	Annmarie	M/A COM Meriden, CT	1 Prestige Dr., Suite 204 Meriden, CT 06450
Stemmler	Michael	Connecticut State Police	1111 Country Club Rd., Box 2794 Middletown, CT 06457
Stevens	Richard	Passamaquoddy Tribe-Indian	Township Reservation, PO Box 301 Princeton, ME 04668
Sutherland	Blair	Massachusetts State Police	470 Worcester Rd. Framingham, MA 01702
Thomas	Michael	Mashantucket Pequot Tribal Nation	PO Box 3060, Mashantucket, CT 06339
Thomas	Matthew	Narrangansett Indian Tribe	PO Box 268 Charlestown, RI 02813
Thompson	Carey	Conn. Department of Public Safety, Office of Statewide Emergency Telecommunications	1111 Country Club Rd., Box 2794 Middletown, CT 06457
Thomson	Ralph		11 Varney St. Worcester, MA 01605
Troup	David	Boston Police Dept.	400 Frontage Rd. Boston, MA 02118
Vail	Jason	M/A COM	Lowell, MA
Vallarelli	John	Metropolitan Transportation Authority Police Department	341 Madison Ave., 12th Floor New York, NY 10017-3739
Varghan	Don	C-Com Consulting Group	
Varney	Michael	Connecticut Fire Chiefs TAC	
Velkey	Richard	Schaghitcoke Tribal Nation	33 Elizabeth St., 4th floor Derby, CT 06418
Verbil	Stephen	Verbil Communications	PO Box 320743 Fairfield, CT 06432
Walsh	Thomas	Connecticut Military Department, Office of Emergency Management	360 Broad St. Hartford, CT 06105
Warakois	James	Boston Police Department	2626 Centre St. W. Roxbury, MA 02132

Last Name	First Name	Agency	Work Address
Welch	Chuck	New Hampshire, Office of Emergency Management	107 Pleasant St. Concord, NH 03301
Wood	Bill	New Hampshire Bureau of Emergency Medical Services	10 Hazen Dr. Concord, NH 03305
Wright	Beverly	Wampanoag Tribe-Gay Head	20 Black Brook Rd. Aquinnah, MA 02535
Zarwanski	Jerry	Conn. Department of Public Safety, Office of Statewide Emergency Telecommunications	1111 Country Club Rd., Box 2794 Middletown, CT 06457

American Association of State Highway and Transportation Officials (AASHTO)
American National Red Cross
Association of Public Safety Communications Officers (APCO)
Federal Bureau of Investigations
Federal Communications Commission Public Notice Process
Federal Emergency Management Agency (FEMA)
Forestry Conservation Communications Association (FCCA)
International Association of Chiefs of Police (IACP)
International Association of Fire Chiefs (IAFC)
International Bridge Turnpike & Tunnel Association (IBTTA)
International Municipal Signal Association (IMSA)
Local State & Government Advisory Committee
National Association of Counties
National Association of EMS Directors
National Governors Association
National League of Cities
National Public Safety Telecommunications Council (NPSTC)
Office of Emergency Management Directors
Public Safety Wireless Network (PSWN)
US Coast Guard
US Conference of Mayors

APPENDIX L
REGION 19 - NEW ENGLAND CHANNEL ALLOTMENT

County	Class	Band Width	FCC	Base	Mobile	Notation
Fairfield County, Connecticut	General Use	Voice 25KHz	85-88	764.5375	794.5375	
	General Use	Voice 25KHz	173-176	765.0875	795.0875	
	General Use	Voice 25KHz	253-256	765.5875	795.5875	
	General Use	Voice 25KHz	357-360	766.2375	796.2375	
	General Use	Voice 25KHz	405-408	766.5375	796.5375	
	General Use	Voice 25KHz	445-448	766.7875	796.7875	
	General Use	Voice 25KHz	793-796	774.9625	804.9625	
	General Use	Voice 25KHz	833-836	775.2125	805.2125	
Hartford County, Connecticut	General Use	Voice 25KHz	41-44	764.2625	794.2625	
	General Use	Voice 25KHz	81-84	764.5125	794.5125	
	General Use	Voice 25KHz	121-124	764.7625	794.7625	
	General Use	Voice 25KHz	201-204	765.2625	795.2625	
	General Use	Voice 25KHz	241-244	765.5125	795.5125	
	General Use	Voice 25KHz	297-300	765.8625	795.8625	
	General Use	Voice 25KHz	369-372	766.3125	796.3125	
	General Use	Voice 25KHz	409-412	766.5625	796.5625	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	541-544	773.3875	803.3875	
	General Use	Voice 25KHz	589-592	773.6875	803.6875	
	General Use	Voice 25KHz	629-632	773.9375	803.9375	
	General Use	Voice 25KHz	673-676	774.2125	804.2125	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
	General Use	Voice 25KHz	837-840	775.2375	805.2375	
	General Use	Voice 25KHz	905-908	775.6625	805.6625	
	General Use	Voice 25KHz	945-948	775.9125	805.9125	
Litchfield County, Connecticut	General Use	Voice 25KHz	337-340	766.1125	796.1125	
	General Use	Voice 25KHz	429-432	766.6875	796.6875	
	General Use	Voice 25KHz	469-472	766.9375	796.9375	
	General Use	Voice 25KHz	493-496	773.0875	803.0875	
	General Use	Voice 25KHz	561-564	773.5125	803.5125	
	General Use	Voice 25KHz	621-624	773.8875	803.8875	
	General Use	Voice 25KHz	781-784	774.8875	804.8875	
Middlesex Connecticut	General Use	Voice 25KHz	177-180	765.1125	795.1125	
	General Use	Voice 25KHz	285-288	765.7875	795.7875	
	General Use	Voice 25KHz	389-392	766.4375	796.4375	
	General Use	Voice 25KHz	441-444	766.7625	796.7625	
	General Use	Voice 25KHz	533-536	773.3375	803.3375	
	General Use	Voice 25KHz	609-612	773.8125	803.8125	
New Haven Connecticut	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	53-56	764.3375	794.3375	
	General Use	Voice 25KHz	93-96	764.5875	794.5875	
	General Use	Voice 25KHz	137-140	764.8625	794.8625	
	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	329-332	766.0625	796.0625	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	377-380	766.3625	796.3625	
	General Use	Voice 25KHz	417-420	766.6125	796.6125	
	General Use	Voice 25KHz	461-464	766.8875	796.8875	
	General Use	Voice 25KHz	481-484	773.0125	803.0125	
	General Use	Voice 25KHz	549-552	773.4375	803.4375	
	General Use	Voice 25KHz	597-600	773.7375	803.7375	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
	General Use	Voice 25KHz	713-716	774.4625	804.4625	
	General Use	Voice 25KHz	753-756	774.7125	804.7125	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
	General Use	Voice 25KHz	865-868	775.4125	805.4125	
New London Connecticut	General Use	Voice 25KHz	161-164	765.0125	795.0125	
	General Use	Voice 25KHz	349-352	766.1875	796.1875	
	General Use	Voice 25KHz	425-428	766.6625	796.6625	
	General Use	Voice 25KHz	517-520	773.2375	803.2375	
	General Use	Voice 25KHz	577-580	773.6125	803.6125	
	General Use	Voice 25KHz	617-620	773.8625	803.8625	
	General Use	Voice 25KHz	661-664	774.1375	804.1375	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	785-788	774.9125	804.9125	
	General Use	Voice 25KHz	873-876	775.4625	805.4625	
Tolland County, Connecticut	General Use	Voice 25KHz	253-256	765.5875	795.5875	
	General Use	Voice 25KHz	357-360	766.2375	796.2375	
	General Use	Voice 25KHz	401-404	766.5125	796.5125	
	General Use	Voice 25KHz	489-492	773.0625	803.0625	
	General Use	Voice 25KHz	553-556	773.4625	803.4625	
	General Use	Voice 25KHz	601-604	773.7625	803.7625	
Windham County, Connecticut	General Use	Voice 25KHz	385-388	766.4125	796.4125	
	General Use	Voice 25KHz	445-448	766.7875	796.7875	
	General Use	Voice 25KHz	505-508	773.1625	803.1625	
	General Use	Voice 25KHz	593-596	773.7125	803.7125	
	General Use	Voice 25KHz	793-796	774.9625	804.9625	
	General Use	Voice 25KHz	901-904	775.6375	805.6375	
	General Use	Voice 25KHz	941-944	775.8875	805.8875	
Barnstable Massachusetts	General Use	Voice 25KHz	57-60	764.3625	794.3625	
	General Use	Voice 25KHz	125-128	764.7875	794.7875	
	General Use	Voice 25KHz	165-168	765.0375	795.0375	
	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	253-256	765.5875	795.5875	
	General Use	Voice 25KHz	297-300	765.8625	795.8625	
	General Use	Voice 25KHz	337-340	766.1125	796.1125	
	General Use	Voice 25KHz	377-380	766.3625	796.3625	
	General Use	Voice 25KHz	433-436	766.7125	796.7125	
	General Use	Voice 25KHz	477-480	766.9875	796.9875	
	General Use	Voice 25KHz	481-484	773.0125	803.0125	
	General Use	Voice 25KHz	541-544	773.3875	803.3875	
	General Use	Voice 25KHz	617-620	773.8625	803.8625	
	General Use	Voice 25KHz	661-664	774.1375	804.1375	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	713-716	774.4625	804.4625	
	General Use	Voice 25KHz	785-788	774.9125	804.9125	
	General Use	Voice 25KHz	877-880	775.4875	805.4875	
	General Use	Voice 25KHz	917-920	775.7375	805.7375	
Berkshire County, Massachusetts	General Use	Voice 25KHz	169-172	765.0625	795.0625	
	General Use	Voice 25KHz	249-252	765.5625	795.5625	
	General Use	Voice 25KHz	325-328	766.0375	796.0375	
	General Use	Voice 25KHz	381-384	766.3875	796.3875	
	General Use	Voice 25KHz	437-440	766.7375	796.7375	
	General Use	Voice 25KHz	513-516	773.2125	803.2125	
	General Use	Voice 25KHz	581-584	773.6375	803.6375	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	861-864	775.3875	805.3875	
Bristol County, Massachusetts	General Use	Voice 25KHz	53-56	764.3375	794.3375	
	General Use	Voice 25KHz	129-132	764.8125	794.8125	
	General Use	Voice 25KHz	173-176	765.0875	795.0875	
	General Use	Voice 25KHz	285-288	765.7875	795.7875	
	General Use	Voice 25KHz	381-384	766.3875	796.3875	
	General Use	Voice 25KHz	429-432	766.6875	796.6875	
	General Use	Voice 25KHz	473-476	766.9625	796.9625	
	General Use	Voice 25KHz	493-496	773.0875	803.0875	
	General Use	Voice 25KHz	545-548	773.4125	803.4125	
	General Use	Voice 25KHz	613-616	773.8375	803.8375	
	General Use	Voice 25KHz	669-672	774.1875	804.1875	
	General Use	Voice 25KHz	781-784	774.8875	804.8875	
	General Use	Voice 25KHz	869-872	775.4375	805.4375	
Dukes County, Massachusetts	General Use	Voice 25KHz	41-44	764.2625	794.2625	
	General Use	Voice 25KHz	97-100	764.6125	794.6125	
	General Use	Voice 25KHz	137-140	764.8625	794.8625	
	General Use	Voice 25KHz	241-244	765.5125	795.5125	
	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	393-396	766.4625	796.4625	
	General Use	Voice 25KHz	465-468	766.9125	796.9125	
	General Use	Voice 25KHz	533-536	773.3375	803.3375	
	General Use	Voice 25KHz	585-588	773.6625	803.6625	
	General Use	Voice 25KHz	633-636	773.9625	803.9625	
	General Use	Voice 25KHz	701-704	774.3875	804.3875	
	General Use	Voice 25KHz	757-760	774.7375	804.7375	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
	General Use	Voice 25KHz	837-840	775.2375	805.2375	
	General Use	Voice 25KHz	905-908	775.6625	805.6625	
	General Use	Voice 25KHz	945-948	775.9125	805.9125	
Essex County, Massachusetts	General Use	Voice 25KHz	41-44	764.2625	794.2625	
	General Use	Voice 25KHz	81-84	764.5125	794.5125	
	General Use	Voice 25KHz	121-124	764.7625	794.7625	
	General Use	Voice 25KHz	161-164	765.0125	795.0125	
	General Use	Voice 25KHz	205-208	765.2875	795.2875	
	General Use	Voice 25KHz	253-256	765.5875	795.5875	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	361-364	766.2625	796.2625	
	General Use	Voice 25KHz	425-428	766.6625	796.6625	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	541-544	773.3875	803.3875	
	General Use	Voice 25KHz	601-604	773.7625	803.7625	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
	General Use	Voice 25KHz	873-876	775.4625	805.4625	
	General Use	Voice 25KHz	913-916	775.7125	805.7125	
Franklin County, Massachusetts	General Use	Voice 25KHz	217-220	765.3625	795.3625	
	General Use	Voice 25KHz	333-336	766.0875	796.0875	
	General Use	Voice 25KHz	413-416	766.5875	796.5875	
	General Use	Voice 25KHz	565-568	773.5375	803.5375	
	General Use	Voice 25KHz	785-788	774.9125	804.9125	
Hampden County, Massachusetts	General Use	Voice 25KHz	17-20	764.1125	794.1125	
	General Use	Voice 25KHz	133-136	764.8375	794.8375	
	General Use	Voice 25KHz	289-292	765.8125	795.8125	
	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	393-396	766.4625	796.4625	
	General Use	Voice 25KHz	457-460	766.8625	796.8625	
	General Use	Voice 25KHz	521-524	773.2625	803.2625	
	General Use	Voice 25KHz	573-576	773.5875	803.5875	
	General Use	Voice 25KHz	613-616	773.8375	803.8375	
	General Use	Voice 25KHz	665-668	774.1625	804.1625	
	General Use	Voice 25KHz	869-872	775.4375	805.4375	
Hampshire Massachusetts	General Use	Voice 25KHz	85-88	764.5375	794.5375	
	General Use	Voice 25KHz	257-260	765.6125	795.6125	
	General Use	Voice 25KHz	373-376	766.3375	796.3375	
	General Use	Voice 25KHz	465-468	766.9125	796.9125	
	General Use	Voice 25KHz	557-560	773.4875	803.4875	
	General Use	Voice 25KHz	605-608	773.7875	803.7875	
	General Use	Voice 25KHz	717-720	774.4875	804.4875	
	General Use	Voice 25KHz	757-760	774.7375	804.7375	
Middlesex Massachusetts	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	57-60	764.3625	794.3625	
	General Use	Voice 25KHz	97-100	764.6125	794.6125	
	General Use	Voice 25KHz	137-140	764.8625	794.8625	
	General Use	Voice 25KHz	177-180	765.1125	795.1125	
	General Use	Voice 25KHz	241-244	765.5125	795.5125	
	General Use	Voice 25KHz	297-300	765.8625	795.8625	
	General Use	Voice 25KHz	337-340	766.1125	796.1125	
	General Use	Voice 25KHz	377-380	766.3625	796.3625	
	General Use	Voice 25KHz	441-444	766.7625	796.7625	
	General Use	Voice 25KHz	481-484	773.0125	803.0125	
	General Use	Voice 25KHz	525-528	773.2875	803.2875	
	General Use	Voice 25KHz	577-580	773.6125	803.6125	
	General Use	Voice 25KHz	617-620	773.8625	803.8625	
	General Use	Voice 25KHz	661-664	774.1375	804.1375	
	General Use	Voice 25KHz	709-712	774.4375	804.4375	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	749-752	774.6875	804.6875	
	General Use	Voice 25KHz	789-792	774.9375	804.9375	
	General Use	Voice 25KHz	865-868	775.4125	805.4125	
	General Use	Voice 25KHz	905-908	775.6625	805.6625	
	General Use	Voice 25KHz	945-948	775.9125	805.9125	
Nantucket Massachusetts	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	89-92	764.5625	794.5625	
	General Use	Voice 25KHz	133-136	764.8375	794.8375	
	General Use	Voice 25KHz	173-176	765.0875	795.0875	
	General Use	Voice 25KHz	217-220	765.3625	795.3625	
	General Use	Voice 25KHz	281-284	765.7625	795.7625	
	General Use	Voice 25KHz	321-324	766.0125	796.0125	
	General Use	Voice 25KHz	361-364	766.2625	796.2625	
	General Use	Voice 25KHz	421-424	766.6375	796.6375	
	General Use	Voice 25KHz	473-476	766.9625	796.9625	
	General Use	Voice 25KHz	485-488	773.0375	803.0375	
	General Use	Voice 25KHz	525-528	773.2875	803.2875	
	General Use	Voice 25KHz	577-580	773.6125	803.6125	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
	General Use	Voice 25KHz	677-680	774.2375	804.2375	
	General Use	Voice 25KHz	741-744	774.6375	804.6375	
	General Use	Voice 25KHz	781-784	774.8875	804.8875	
	General Use	Voice 25KHz	825-828	775.1625	805.1625	
	General Use	Voice 25KHz	869-872	775.4375	805.4375	
	General Use	Voice 25KHz	913-916	775.7125	805.7125	
Norfolk County, Massachusetts	General Use	Voice 25KHz	85-88	764.5375	794.5375	
	General Use	Voice 25KHz	217-220	765.3625	795.3625	
	General Use	Voice 25KHz	257-260	765.6125	795.6125	
	General Use	Voice 25KHz	329-332	766.0625	796.0625	
	General Use	Voice 25KHz	413-416	766.5875	796.5875	
	General Use	Voice 25KHz	465-468	766.9125	796.9125	
	General Use	Voice 25KHz	513-516	773.2125	803.2125	
	General Use	Voice 25KHz	557-560	773.4875	803.4875	
	General Use	Voice 25KHz	605-608	773.7875	803.7875	
	General Use	Voice 25KHz	717-720	774.4875	804.4875	
	General Use	Voice 25KHz	757-760	774.7375	804.7375	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
	General Use	Voice 25KHz	837-840	775.2375	805.2375	
Plymouth County, Massachusetts	General Use	Voice 25KHz	17-20	764.1125	794.1125	
	General Use	Voice 25KHz	201-204	765.2625	795.2625	
	General Use	Voice 25KHz	245-248	765.5375	795.5375	
	General Use	Voice 25KHz	357-360	766.2375	796.2375	
	General Use	Voice 25KHz	445-448	766.7875	796.7875	
	General Use	Voice 25KHz	521-524	773.2625	803.2625	
	General Use	Voice 25KHz	597-600	773.7375	803.7375	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	745-748	774.6625	804.6625	
	General Use	Voice 25KHz	829-832	775.1875	805.1875	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	901-904	775.6375	805.6375	
	General Use	Voice 25KHz	941-944	775.8875	805.8875	
Suffolk County, Massachusetts	General Use	Voice 25KHz	169-172	765.0625	795.0625	
	General Use	Voice 25KHz	289-292	765.8125	795.8125	
	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	405-408	766.5375	796.5375	
	General Use	Voice 25KHz	453-456	766.8375	796.8375	
	General Use	Voice 25KHz	489-492	773.0625	803.0625	
	General Use	Voice 25KHz	549-552	773.4375	803.4375	
	General Use	Voice 25KHz	589-592	773.6875	803.6875	
	General Use	Voice 25KHz	629-632	773.9375	803.9375	
	General Use	Voice 25KHz	673-676	774.2125	804.2125	
Worcester Massachusetts	General Use	Voice 25KHz	49-52	764.3125	794.3125	
	General Use	Voice 25KHz	125-128	764.7875	794.7875	
	General Use	Voice 25KHz	165-168	765.0375	795.0375	
	General Use	Voice 25KHz	209-212	765.3125	795.3125	
	General Use	Voice 25KHz	281-284	765.7625	795.7625	
	General Use	Voice 25KHz	321-324	766.0125	796.0125	
	General Use	Voice 25KHz	365-368	766.2875	796.2875	
	General Use	Voice 25KHz	421-424	766.6375	796.6375	
	General Use	Voice 25KHz	477-480	766.9875	796.9875	
	General Use	Voice 25KHz	497-500	773.1125	803.1125	
	General Use	Voice 25KHz	537-540	773.3625	803.3625	
	General Use	Voice 25KHz	585-588	773.6625	803.6625	
	General Use	Voice 25KHz	625-628	773.9125	803.9125	
	General Use	Voice 25KHz	701-704	774.3875	804.3875	
	General Use	Voice 25KHz	741-744	774.6375	804.6375	
	General Use	Voice 25KHz	825-828	775.1625	805.1625	
	General Use	Voice 25KHz	877-880	775.4875	805.4875	
	General Use	Voice 25KHz	917-920	775.7375	805.7375	
Androscoggin Maine	General Use	Voice 25KHz	137-140	764.8625	794.8625	
	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	289-292	765.8125	795.8125	
	General Use	Voice 25KHz	357-360	766.2375	796.2375	
	General Use	Voice 25KHz	397-400	766.4875	796.4875	
	General Use	Voice 25KHz	465-468	766.9125	796.9125	
	General Use	Voice 25KHz	481-484	773.0125	803.0125	
	General Use	Voice 25KHz	529-532	773.3125	803.3125	
	General Use	Voice 25KHz	581-584	773.6375	803.6375	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
	General Use	Voice 25KHz	741-744	774.6375	804.6375	
Aroostook Maine	General Use	Voice 25KHz	17-20	764.1125	794.1125	
	General Use	Voice 25KHz	57-60	764.3625	794.3625	
	General Use	Voice 25KHz	97-100	764.6125	794.6125	
	General Use	Voice 25KHz	169-172	765.0625	795.0625	
	General Use	Voice 25KHz	209-212	765.3125	795.3125	
	General Use	Voice 25KHz	249-252	765.5625	795.5625	
	General Use	Voice 25KHz	289-292	765.8125	795.8125	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	401-404	766.5125	796.5125	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	481-484	773.0125	803.0125	
	General Use	Voice 25KHz	533-536	773.3375	803.3375	
	General Use	Voice 25KHz	601-604	773.7625	803.7625	
	General Use	Voice 25KHz	669-672	774.1875	804.1875	
	General Use	Voice 25KHz	717-720	774.4875	804.4875	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
	General Use	Voice 25KHz	837-840	775.2375	805.2375	
	General Use	Voice 25KHz	877-880	775.4875	805.4875	
	General Use	Voice 25KHz	917-920	775.7375	805.7375	
Cumberland Maine	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	53-56	764.3375	794.3375	
	General Use	Voice 25KHz	121-124	764.7625	794.7625	
	General Use	Voice 25KHz	161-164	765.0125	795.0125	
	General Use	Voice 25KHz	201-204	765.2625	795.2625	
	General Use	Voice 25KHz	241-244	765.5125	795.5125	
	General Use	Voice 25KHz	281-284	765.7625	795.7625	
	General Use	Voice 25KHz	349-352	766.1875	796.1875	
	General Use	Voice 25KHz	409-412	766.5625	796.5625	
	General Use	Voice 25KHz	473-476	766.9625	796.9625	
	General Use	Voice 25KHz	517-520	773.2375	803.2375	
	General Use	Voice 25KHz	557-560	773.4875	803.4875	
	General Use	Voice 25KHz	601-604	773.7625	803.7625	
	General Use	Voice 25KHz	661-664	774.1375	804.1375	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	781-784	774.8875	804.8875	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
	General Use	Voice 25KHz	865-868	775.4125	805.4125	
	General Use	Voice 25KHz	905-908	775.6625	805.6625	
	General Use	Voice 25KHz	945-948	775.9125	805.9125	
Franklin County, Maine	General Use	Voice 25KHz	17-20	764.1125	794.1125	
	General Use	Voice 25KHz	205-208	765.2875	795.2875	
	General Use	Voice 25KHz	245-248	765.5375	795.5375	
	General Use	Voice 25KHz	329-332	766.0625	796.0625	
	General Use	Voice 25KHz	369-372	766.3125	796.3125	
	General Use	Voice 25KHz	453-456	766.8375	796.8375	
	General Use	Voice 25KHz	505-508	773.1625	803.1625	
	General Use	Voice 25KHz	553-556	773.4625	803.4625	
	General Use	Voice 25KHz	665-668	774.1625	804.1625	
	General Use	Voice 25KHz	901-904	775.6375	805.6375	
	General Use	Voice 25KHz	941-944	775.8875	805.8875	
Hancock County, Maine	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	93-96	764.5875	794.5875	
	General Use	Voice 25KHz	137-140	764.8625	794.8625	
	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	257-260	765.6125	795.6125	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	341-344	766.1375	796.1375	
	General Use	Voice 25KHz	385-388	766.4125	796.4125	
	General Use	Voice 25KHz	425-428	766.6625	796.6625	
	General Use	Voice 25KHz	473-476	766.9625	796.9625	
	General Use	Voice 25KHz	493-496	773.0875	803.0875	
	General Use	Voice 25KHz	549-552	773.4375	803.4375	
	General Use	Voice 25KHz	613-616	773.8375	803.8375	
	General Use	Voice 25KHz	673-676	774.2125	804.2125	
	General Use	Voice 25KHz	829-832	775.1875	805.1875	
Kennebec Maine	General Use	Voice 25KHz	49-52	764.3125	794.3125	
	General Use	Voice 25KHz	129-132	764.8125	794.8125	
	General Use	Voice 25KHz	177-180	765.1125	795.1125	
	General Use	Voice 25KHz	297-300	765.8625	795.8625	
	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	429-432	766.6875	796.6875	
	General Use	Voice 25KHz	477-480	766.9875	796.9875	
	General Use	Voice 25KHz	521-524	773.2625	803.2625	
	General Use	Voice 25KHz	561-564	773.5125	803.5125	
	General Use	Voice 25KHz	605-608	773.7875	803.7875	
	General Use	Voice 25KHz	713-716	774.4625	804.4625	
	General Use	Voice 25KHz	833-836	775.2125	805.2125	
	General Use	Voice 25KHz	873-876	775.4625	805.4625	
	General Use	Voice 25KHz	913-916	775.7125	805.7125	
Knox County, Maine	General Use	Voice 25KHz	165-168	765.0375	795.0375	
	General Use	Voice 25KHz	285-288	765.7875	795.7875	
	General Use	Voice 25KHz	325-328	766.0375	796.0375	
	General Use	Voice 25KHz	373-376	766.3375	796.3375	
	General Use	Voice 25KHz	413-416	766.5875	796.5875	
	General Use	Voice 25KHz	457-460	766.8625	796.8625	
	General Use	Voice 25KHz	541-544	773.3875	803.3875	
	General Use	Voice 25KHz	597-600	773.7375	803.7375	
	General Use	Voice 25KHz	701-704	774.3875	804.3875	
Lincoln County, Maine	General Use	Voice 25KHz	85-88	764.5375	794.5375	
	General Use	Voice 25KHz	209-212	765.3125	795.3125	
	General Use	Voice 25KHz	337-340	766.1125	796.1125	
	General Use	Voice 25KHz	381-384	766.3875	796.3875	
	General Use	Voice 25KHz	421-424	766.6375	796.6375	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	577-580	773.6125	803.6125	
	General Use	Voice 25KHz	629-632	773.9375	803.9375	
Oxford County, Maine	General Use	Voice 25KHz	257-260	765.6125	795.6125	
	General Use	Voice 25KHz	321-324	766.0125	796.0125	
	General Use	Voice 25KHz	385-388	766.4125	796.4125	
	General Use	Voice 25KHz	441-444	766.7625	796.7625	
	General Use	Voice 25KHz	489-492	773.0625	803.0625	
	General Use	Voice 25KHz	537-540	773.3625	803.3625	
	General Use	Voice 25KHz	617-620	773.8625	803.8625	
	General Use	Voice 25KHz	673-676	774.2125	804.2125	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	749-752	774.6875	804.6875	
	General Use	Voice 25KHz	789-792	774.9375	804.9375	
Penobscot Maine	General Use	Voice 25KHz	41-44	764.2625	794.2625	
	General Use	Voice 25KHz	81-84	764.5125	794.5125	
	General Use	Voice 25KHz	121-124	764.7625	794.7625	
	General Use	Voice 25KHz	161-164	765.0125	795.0125	
	General Use	Voice 25KHz	201-204	765.2625	795.2625	
	General Use	Voice 25KHz	241-244	765.5125	795.5125	
	General Use	Voice 25KHz	281-284	765.7625	795.7625	
	General Use	Voice 25KHz	333-336	766.0875	796.0875	
	General Use	Voice 25KHz	377-380	766.3625	796.3625	
	General Use	Voice 25KHz	417-420	766.6125	796.6125	
	General Use	Voice 25KHz	461-464	766.8875	796.8875	
	General Use	Voice 25KHz	509-512	773.1875	803.1875	
	General Use	Voice 25KHz	573-576	773.5875	803.5875	
	General Use	Voice 25KHz	621-624	773.8875	803.8875	
	General Use	Voice 25KHz	661-664	774.1375	804.1375	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	745-748	774.6625	804.6625	
	General Use	Voice 25KHz	785-788	774.9125	804.9125	
	General Use	Voice 25KHz	861-864	775.3875	805.3875	
	General Use	Voice 25KHz	905-908	775.6625	805.6625	
	General Use	Voice 25KHz	945-948	775.9125	805.9125	
Piscataquis Maine	General Use	Voice 25KHz	133-136	764.8375	794.8375	
	General Use	Voice 25KHz	325-328	766.0375	796.0375	
	General Use	Voice 25KHz	365-368	766.2875	796.2875	
	General Use	Voice 25KHz	409-412	766.5625	796.5625	
	General Use	Voice 25KHz	469-472	766.9375	796.9375	
	General Use	Voice 25KHz	517-520	773.2375	803.2375	
	General Use	Voice 25KHz	557-560	773.4875	803.4875	
	General Use	Voice 25KHz	609-612	773.8125	803.8125	
Sagadahoc Maine	General Use	Voice 25KHz	389-392	766.4375	796.4375	
	General Use	Voice 25KHz	445-448	766.7875	796.7875	
	General Use	Voice 25KHz	493-496	773.0875	803.0875	
	General Use	Voice 25KHz	569-572	773.5625	803.5625	
	General Use	Voice 25KHz	613-616	773.8375	803.8375	
	General Use	Voice 25KHz	669-672	774.1875	804.1875	
	General Use	Voice 25KHz	753-756	774.7125	804.7125	
	General Use	Voice 25KHz	793-796	774.9625	804.9625	
Somerset County, Maine	General Use	Voice 25KHz	89-92	764.5625	794.5625	
	General Use	Voice 25KHz	217-220	765.3625	795.3625	
	General Use	Voice 25KHz	353-356	766.2125	796.2125	
	General Use	Voice 25KHz	393-396	766.4625	796.4625	
	General Use	Voice 25KHz	437-440	766.7375	796.7375	
	General Use	Voice 25KHz	497-500	773.1125	803.1125	
	General Use	Voice 25KHz	545-548	773.4125	803.4125	
	General Use	Voice 25KHz	593-596	773.7125	803.7125	
	General Use	Voice 25KHz	633-636	773.9625	803.9625	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	677-680	774.2375	804.2375	
	General Use	Voice 25KHz	757-760	774.7375	804.7375	
	General Use	Voice 25KHz	825-828	775.1625	805.1625	
Waldo County, Maine	General Use	Voice 25KHz	57-60	764.3625	794.3625	
	General Use	Voice 25KHz	249-252	765.5625	795.5625	
	General Use	Voice 25KHz	361-364	766.2625	796.2625	
	General Use	Voice 25KHz	401-404	766.5125	796.5125	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	485-488	773.0375	803.0375	
	General Use	Voice 25KHz	533-536	773.3375	803.3375	
	General Use	Voice 25KHz	585-588	773.6625	803.6625	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
Washington Maine	General Use	Voice 25KHz	49-52	764.3125	794.3125	
	General Use	Voice 25KHz	129-132	764.8125	794.8125	
	General Use	Voice 25KHz	177-180	765.1125	795.1125	
	General Use	Voice 25KHz	297-300	765.8625	795.8625	
	General Use	Voice 25KHz	357-360	766.2375	796.2375	
	General Use	Voice 25KHz	433-436	766.7125	796.7125	
	General Use	Voice 25KHz	521-524	773.2625	803.2625	
	General Use	Voice 25KHz	565-568	773.5375	803.5375	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
	General Use	Voice 25KHz	753-756	774.7125	804.7125	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
	General Use	Voice 25KHz	869-872	775.4375	805.4375	
York County, Maine	General Use	Voice 25KHz	45-48	764.2875	794.2875	
	General Use	Voice 25KHz	93-96	764.5875	794.5875	
	General Use	Voice 25KHz	169-172	765.0625	795.0625	
	General Use	Voice 25KHz	249-252	765.5625	795.5625	
	General Use	Voice 25KHz	293-296	765.8375	795.8375	
	General Use	Voice 25KHz	341-344	766.1375	796.1375	
	General Use	Voice 25KHz	401-404	766.5125	796.5125	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	497-500	773.1125	803.1125	
	General Use	Voice 25KHz	545-548	773.4125	803.4125	
	General Use	Voice 25KHz	585-588	773.6625	803.6625	
	General Use	Voice 25KHz	625-628	773.9125	803.9125	
	General Use	Voice 25KHz	717-720	774.4875	804.4875	
	General Use	Voice 25KHz	757-760	774.7375	804.7375	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
	General Use	Voice 25KHz	837-840	775.2375	805.2375	
	General Use	Voice 25KHz	877-880	775.4875	805.4875	
	General Use	Voice 25KHz	917-920	775.7375	805.7375	
Belknap County, New Hampshire	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	405-408	766.5375	796.5375	
	General Use	Voice 25KHz	445-448	766.7875	796.7875	
	General Use	Voice 25KHz	493-496	773.0875	803.0875	
	General Use	Voice 25KHz	605-608	773.7875	803.7875	
	General Use	Voice 25KHz	785-788	774.9125	804.9125	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	861-864	775.3875	805.3875	
Carroll County, New Hampshire	General Use	Voice 25KHz	85-88	764.5375	794.5375	
	General Use	Voice 25KHz	125-128	764.7875	794.7875	
	General Use	Voice 25KHz	209-212	765.3125	795.3125	
	General Use	Voice 25KHz	353-356	766.2125	796.2125	
	General Use	Voice 25KHz	421-424	766.6375	796.6375	
	General Use	Voice 25KHz	513-516	773.2125	803.2125	
	General Use	Voice 25KHz	701-704	774.3875	804.3875	
Cheshire County, New Hampshire	General Use	Voice 25KHz	389-392	766.4375	796.4375	
	General Use	Voice 25KHz	433-436	766.7125	796.7125	
	General Use	Voice 25KHz	545-548	773.4125	803.4125	
	General Use	Voice 25KHz	597-600	773.7375	803.7375	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
Coos County, New Hampshire	General Use	Voice 25KHz	337-340	766.1125	796.1125	
	General Use	Voice 25KHz	377-380	766.3625	796.3625	
	General Use	Voice 25KHz	433-436	766.7125	796.7125	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	549-552	773.4375	803.4375	
	General Use	Voice 25KHz	589-592	773.6875	803.6875	
	General Use	Voice 25KHz	709-712	774.4375	804.4375	
	General Use	Voice 25KHz	829-832	775.1875	805.1875	
Grafton County, New Hampshire	General Use	Voice 25KHz	57-60	764.3625	794.3625	
	General Use	Voice 25KHz	97-100	764.6125	794.6125	
	General Use	Voice 25KHz	165-168	765.0375	795.0375	
	General Use	Voice 25KHz	253-256	765.5875	795.5875	
	General Use	Voice 25KHz	297-300	765.8625	795.8625	
	General Use	Voice 25KHz	365-368	766.2875	796.2875	
	General Use	Voice 25KHz	413-416	766.5875	796.5875	
	General Use	Voice 25KHz	525-528	773.2875	803.2875	
	General Use	Voice 25KHz	565-568	773.5375	803.5375	
	General Use	Voice 25KHz	629-632	773.9375	803.9375	
	General Use	Voice 25KHz	873-876	775.4625	805.4625	
	General Use	Voice 25KHz	913-916	775.7125	805.7125	
Hillsborough New Hampshire	General Use	Voice 25KHz	89-92	764.5625	794.5625	
	General Use	Voice 25KHz	349-352	766.1875	796.1875	
	General Use	Voice 25KHz	409-412	766.5625	796.5625	
	General Use	Voice 25KHz	469-472	766.9375	796.9375	
	General Use	Voice 25KHz	517-520	773.2375	803.2375	
	General Use	Voice 25KHz	561-564	773.5125	803.5125	
	General Use	Voice 25KHz	609-612	773.8125	803.8125	
	General Use	Voice 25KHz	669-672	774.1875	804.1875	
	General Use	Voice 25KHz	781-784	774.8875	804.8875	
	General Use	Voice 25KHz	833-836	775.2125	805.2125	
Merrimack New Hampshire	General Use	Voice 25KHz	17-20	764.1125	794.1125	
	General Use	Voice 25KHz	173-176	765.0875	795.0875	
	General Use	Voice 25KHz	245-248	765.5375	795.5375	
	General Use	Voice 25KHz	357-360	766.2375	796.2375	
	General Use	Voice 25KHz	397-400	766.4875	796.4875	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	453-456	766.8375	796.8375	
	General Use	Voice 25KHz	485-488	773.0375	803.0375	
	General Use	Voice 25KHz	533-536	773.3375	803.3375	
	General Use	Voice 25KHz	573-576	773.5875	803.5875	
	General Use	Voice 25KHz	621-624	773.8875	803.8875	
	General Use	Voice 25KHz	713-716	774.4625	804.4625	
	General Use	Voice 25KHz	753-756	774.7125	804.7125	
	General Use	Voice 25KHz	793-796	774.9625	804.9625	
	General Use	Voice 25KHz	901-904	775.6375	805.6375	
	General Use	Voice 25KHz	941-944	775.8875	805.8875	
Rockingham New Hampshire	General Use	Voice 25KHz	129-132	764.8125	794.8125	
	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	285-288	765.7875	795.7875	
	General Use	Voice 25KHz	325-328	766.0375	796.0375	
	General Use	Voice 25KHz	369-372	766.3125	796.3125	
	General Use	Voice 25KHz	417-420	766.6125	796.6125	
	General Use	Voice 25KHz	461-464	766.8875	796.8875	
	General Use	Voice 25KHz	509-512	773.1875	803.1875	
	General Use	Voice 25KHz	553-556	773.4625	803.4625	
	General Use	Voice 25KHz	593-596	773.7125	803.7125	
	General Use	Voice 25KHz	633-636	773.9625	803.9625	
	General Use	Voice 25KHz	677-680	774.2375	804.2375	
Strafford County, New Hampshire	General Use	Voice 25KHz	333-336	766.0875	796.0875	
	General Use	Voice 25KHz	381-384	766.3875	796.3875	
	General Use	Voice 25KHz	429-432	766.6875	796.6875	
	General Use	Voice 25KHz	477-480	766.9875	796.9875	
	General Use	Voice 25KHz	521-524	773.2625	803.2625	
	General Use	Voice 25KHz	613-616	773.8375	803.8375	
	General Use	Voice 25KHz	665-668	774.1625	804.1625	
	General Use	Voice 25KHz	745-748	774.6625	804.6625	
	General Use	Voice 25KHz	825-828	775.1625	805.1625	
	General Use	Voice 25KHz	869-872	775.4375	805.4375	
	General Use	Voice 25KHz	909-912	775.6875	805.6875	
Sullivan County, New Hampshire	General Use	Voice 25KHz	41-44	764.2625	794.2625	
	General Use	Voice 25KHz	81-84	764.5125	794.5125	
	General Use	Voice 25KHz	133-136	764.8375	794.8375	
	General Use	Voice 25KHz	341-344	766.1375	796.1375	
	General Use	Voice 25KHz	425-428	766.6625	796.6625	
	General Use	Voice 25KHz	505-508	773.1625	803.1625	
Bristol County, Rhode Island	General Use	Voice 25KHz	333-336	766.0875	796.0875	
	General Use	Voice 25KHz	373-376	766.3375	796.3375	
	General Use	Voice 25KHz	509-512	773.1875	803.1875	
	General Use	Voice 25KHz	553-556	773.4625	803.4625	
	General Use	Voice 25KHz	601-604	773.7625	803.7625	
Kent County, Rhode Island	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	325-328	766.0375	796.0375	
	General Use	Voice 25KHz	417-420	766.6125	796.6125	
	General Use	Voice 25KHz	461-464	766.8875	796.8875	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	713-716	774.4625	804.4625	
	General Use	Voice 25KHz	753-756	774.7125	804.7125	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
Newport County, Rhode Island	General Use	Voice 25KHz	81-84	764.5125	794.5125	
	General Use	Voice 25KHz	121-124	764.7625	794.7625	
	General Use	Voice 25KHz	353-356	766.2125	796.2125	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	581-584	773.6375	803.6375	
	General Use	Voice 25KHz	621-624	773.8875	803.8875	
Providence Rhode Island	General Use	Voice 25KHz	93-96	764.5875	794.5875	
	General Use	Voice 25KHz	249-252	765.5625	795.5625	
	General Use	Voice 25KHz	293-296	765.8375	795.8375	
	General Use	Voice 25KHz	341-344	766.1375	796.1375	
	General Use	Voice 25KHz	397-400	766.4875	796.4875	
	General Use	Voice 25KHz	437-440	766.7375	796.7375	
	General Use	Voice 25KHz	485-488	773.0375	803.0375	
	General Use	Voice 25KHz	529-532	773.3125	803.3125	
	General Use	Voice 25KHz	569-572	773.5625	803.5625	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
	General Use	Voice 25KHz	677-680	774.2375	804.2375	
	General Use	Voice 25KHz	861-864	775.3875	805.3875	
	General Use	Voice 25KHz	909-912	775.6875	805.6875	
Washington Rhode Island	General Use	Voice 25KHz	45-48	764.2875	794.2875	
	General Use	Voice 25KHz	205-208	765.2875	795.2875	
	General Use	Voice 25KHz	361-364	766.2625	796.2625	
	General Use	Voice 25KHz	405-408	766.5375	796.5375	
	General Use	Voice 25KHz	469-472	766.9375	796.9375	
	General Use	Voice 25KHz	561-564	773.5125	803.5125	
	General Use	Voice 25KHz	833-836	775.2125	805.2125	
Addison County, Vermont	General Use	Voice 25KHz	49-52	764.3125	794.3125	
	General Use	Voice 25KHz	137-140	764.8625	794.8625	
	General Use	Voice 25KHz	393-396	766.4625	796.4625	
	General Use	Voice 25KHz	497-500	773.1125	803.1125	
	General Use	Voice 25KHz	597-600	773.7375	803.7375	
Bennington Vermont	General Use	Voice 25KHz	361-364	766.2625	796.2625	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	549-552	773.4375	803.4375	
	General Use	Voice 25KHz	745-748	774.6625	804.6625	
Caledonia Vermont	General Use	Voice 25KHz	45-48	764.2875	794.2875	
	General Use	Voice 25KHz	345-348	766.1625	796.1625	
	General Use	Voice 25KHz	389-392	766.4375	796.4375	
	General Use	Voice 25KHz	449-452	766.8125	796.8125	
	General Use	Voice 25KHz	601-604	773.7625	803.7625	
	General Use	Voice 25KHz	861-864	775.3875	805.3875	
Chittenden Vermont	General Use	Voice 25KHz	17-20	764.1125	794.1125	
	General Use	Voice 25KHz	89-92	764.5625	794.5625	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	161-164	765.0125	795.0125	
	General Use	Voice 25KHz	205-208	765.2875	795.2875	
	General Use	Voice 25KHz	257-260	765.6125	795.6125	
	General Use	Voice 25KHz	349-352	766.1875	796.1875	
	General Use	Voice 25KHz	405-408	766.5375	796.5375	
	General Use	Voice 25KHz	453-456	766.8375	796.8375	
	General Use	Voice 25KHz	517-520	773.2375	803.2375	
	General Use	Voice 25KHz	573-576	773.5875	803.5875	
	General Use	Voice 25KHz	625-628	773.9125	803.9125	
	General Use	Voice 25KHz	669-672	774.1875	804.1875	
	General Use	Voice 25KHz	713-716	774.4625	804.4625	
	General Use	Voice 25KHz	753-756	774.7125	804.7125	
	General Use	Voice 25KHz	797-800	774.9875	804.9875	
	General Use	Voice 25KHz	865-868	775.4125	805.4125	
	General Use	Voice 25KHz	905-908	775.6625	805.6625	
	General Use	Voice 25KHz	945-948	775.9125	805.9125	
Essex County, Vermont	General Use	Voice 25KHz	81-84	764.5125	794.5125	
	General Use	Voice 25KHz	133-136	764.8375	794.8375	
	General Use	Voice 25KHz	173-176	765.0875	795.0875	
	General Use	Voice 25KHz	213-216	765.3375	795.3375	
	General Use	Voice 25KHz	325-328	766.0375	796.0375	
	General Use	Voice 25KHz	397-400	766.4875	796.4875	
	General Use	Voice 25KHz	457-460	766.8625	796.8625	
	General Use	Voice 25KHz	485-488	773.0375	803.0375	
	General Use	Voice 25KHz	533-536	773.3375	803.3375	
	General Use	Voice 25KHz	609-612	773.8125	803.8125	
	General Use	Voice 25KHz	745-748	774.6625	804.6625	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
Franklin County, Vermont	General Use	Voice 25KHz	41-44	764.2625	794.2625	
	General Use	Voice 25KHz	125-128	764.7875	794.7875	
	General Use	Voice 25KHz	241-244	765.5125	795.5125	
	General Use	Voice 25KHz	285-288	765.7875	795.7875	
	General Use	Voice 25KHz	333-336	766.0875	796.0875	
	General Use	Voice 25KHz	381-384	766.3875	796.3875	
	General Use	Voice 25KHz	445-448	766.7875	796.7875	
	General Use	Voice 25KHz	509-512	773.1875	803.1875	
	General Use	Voice 25KHz	561-564	773.5125	803.5125	
	General Use	Voice 25KHz	605-608	773.7875	803.7875	
	General Use	Voice 25KHz	661-664	774.1375	804.1375	
	General Use	Voice 25KHz	917-920	775.7375	805.7375	
Grand Isle Vermont	General Use	Voice 25KHz	97-100	764.6125	794.6125	
	General Use	Voice 25KHz	361-364	766.2625	796.2625	
	General Use	Voice 25KHz	437-440	766.7375	796.7375	
	General Use	Voice 25KHz	501-504	773.1375	803.1375	
	General Use	Voice 25KHz	553-556	773.4625	803.4625	
	General Use	Voice 25KHz	617-620	773.8625	803.8625	
	General Use	Voice 25KHz	745-748	774.6625	804.6625	
Lamoille County,	General Use	Voice 25KHz	357-360	766.2375	796.2375	

County	Class	Band Width	FCC	Base	Mobile	Notation
Vermont	General Use	Voice 25KHz	461-464	766.8875	796.8875	
	General Use	Voice 25KHz	493-496	773.0875	803.0875	
	General Use	Voice 25KHz	545-548	773.4125	803.4125	
	General Use	Voice 25KHz	741-744	774.6375	804.6375	
	General Use	Voice 25KHz	785-788	774.9125	804.9125	
	General Use	Voice 25KHz	825-828	775.1625	805.1625	
Orange County, Vermont	General Use	Voice 25KHz	217-220	765.3625	795.3625	
	General Use	Voice 25KHz	281-284	765.7625	795.7625	
	General Use	Voice 25KHz	321-324	766.0125	796.0125	
	General Use	Voice 25KHz	437-440	766.7375	796.7375	
	General Use	Voice 25KHz	537-540	773.3625	803.3625	
	General Use	Voice 25KHz	577-580	773.6125	803.6125	
	General Use	Voice 25KHz	673-676	774.2125	804.2125	
	General Use	Voice 25KHz	717-720	774.4875	804.4875	
	General Use	Voice 25KHz	757-760	774.7375	804.7375	
Orleans County, Vermont	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	201-204	765.2625	795.2625	
	General Use	Voice 25KHz	373-376	766.3375	796.3375	
	General Use	Voice 25KHz	425-428	766.6625	796.6625	
	General Use	Voice 25KHz	521-524	773.2625	803.2625	
	General Use	Voice 25KHz	569-572	773.5625	803.5625	
	General Use	Voice 25KHz	621-624	773.8875	803.8875	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	877-880	775.4875	805.4875	
	General Use	Voice 25KHz	941-944	775.8875	805.8875	
Rutland County, Vermont	General Use	Voice 25KHz	129-132	764.8125	794.8125	
	General Use	Voice 25KHz	177-180	765.1125	795.1125	
	General Use	Voice 25KHz	337-340	766.1125	796.1125	
	General Use	Voice 25KHz	385-388	766.4125	796.4125	
	General Use	Voice 25KHz	457-460	766.8625	796.8625	
	General Use	Voice 25KHz	541-544	773.3875	803.3875	
	General Use	Voice 25KHz	633-636	773.9625	803.9625	
	General Use	Voice 25KHz	677-680	774.2375	804.2375	
	General Use	Voice 25KHz	821-824	775.1375	805.1375	
	General Use	Voice 25KHz	869-872	775.4375	805.4375	
Washington Vermont	General Use	Voice 25KHz	121-124	764.7625	794.7625	
	General Use	Voice 25KHz	169-172	765.0625	795.0625	
	General Use	Voice 25KHz	249-252	765.5625	795.5625	
	General Use	Voice 25KHz	289-292	765.8125	795.8125	
	General Use	Voice 25KHz	417-420	766.6125	796.6125	
	General Use	Voice 25KHz	473-476	766.9625	796.9625	
	General Use	Voice 25KHz	481-484	773.0125	803.0125	
	General Use	Voice 25KHz	529-532	773.3125	803.3125	
	General Use	Voice 25KHz	585-588	773.6625	803.6625	
	General Use	Voice 25KHz	637-640	773.9875	803.9875	
	General Use	Voice 25KHz	833-836	775.2125	805.2125	
Windham County, Vermont	General Use	Voice 25KHz	205-208	765.2875	795.2875	
	General Use	Voice 25KHz	285-288	765.7875	795.7875	

County	Class	Band Width	FCC	Base	Mobile	Notation
	General Use	Voice 25KHz	353-356	766.2125	796.2125	
	General Use	Voice 25KHz	473-476	766.9625	796.9625	
	General Use	Voice 25KHz	589-592	773.6875	803.6875	
	General Use	Voice 25KHz	829-832	775.1875	805.1875	
	General Use	Voice 25KHz	909-912	775.6875	805.6875	
Windsor County, Vermont	General Use	Voice 25KHz	13-16	764.0875	794.0875	
	General Use	Voice 25KHz	329-332	766.0625	796.0625	
	General Use	Voice 25KHz	373-376	766.3375	796.3375	
	General Use	Voice 25KHz	465-468	766.9125	796.9125	
	General Use	Voice 25KHz	489-492	773.0625	803.0625	
	General Use	Voice 25KHz	557-560	773.4875	803.4875	
	General Use	Voice 25KHz	613-616	773.8375	803.8375	
	General Use	Voice 25KHz	665-668	774.1625	804.1625	
	General Use	Voice 25KHz	705-708	774.4125	804.4125	
	General Use	Voice 25KHz	789-792	774.9375	804.9375	

COORDINATION AND DISPUTE RESOLUTION PROCEDURES BETWEEN 700 MHZ REGIONAL PLANNING COMMITTEES OF

REGION 19 AND REGION 8

I. INTRODUCTION

This is a mutually agreed upon Inter-Regional Coordination Procedures and Dispute 1 Resolution Procedures Agreement by and between the 700 MHz Regional Planning Committees of:

- New England States Region -Region 19 (hereinafter Region 19), and
- Northern New York State Region -Region 8 (hereinafter Region 8).

These procedures will be used when an applicant for 700 MHz spectrum has a proposed service area or interference contour which extends into the adjacent Public Safety Region of the Region receiving the application. Such applications will be reviewed for approval by the affected Region. Service area shall normally be defined as the area included within the jurisdictional boundary of the applicant, plus three (3) miles. Interference contour shall normally be defined as a 5 dBu co-channel contour, and a 65 dBu contour shall not overlap any adjacent channel's 40 dBu contour. Other definitions of service area or interference may be justified with an accompanying Memorandum of Understanding (MOU) or other application documentation between involved agencies. Each Region retains the right to accept or reject other definitions.

II. COORDINATION PROCEDURES

The following are the guidelines for inter-regional coordination:

a. Each Region will announce when it is accepting applications and the parameters that it has established for filing applications.

b. Applications by eligible entities will be accepted within its Region's parameters.

c. Regional review and coordination of applications will be conducted. To the extent possible, the technical portion of this review will result in allotment of channels.

d. After Regional review, a copy of those frequency-specific applications requiring adjacent Region approval, including a definition statement of proposed service area, shall then be forwarded to the adjacent Region for review. This information will be sent to the adjacent Region's Chairperson using the CAPRAD database.

e. The adjacent Region will review the application. If the application is approved, this Region will send a letter of concurrence, via the CAPRAD database, to the initiating Region's Chairperson within thirty (30) calendar days of receipt of the application by the adjacent Region.

III. DISPUTE RESOLUTION

A. If the adjacent Region does not approve the request, the adjacent Region shall document the reasons for partial or non-concurrence, and respond via CAPRAD email, to the initiating Region: Response will be sent within thirty (30) calendar days of receipt of the application by the adjacent Region. The initiating Region will attempt to modify the application to satisfy the objections of the adjacent Region.

B. If the applying Region cannot modify the application to satisfy the objections of the adjacent Region then, a working group comprised of representatives of the t two Regions shall be convened to attempt to resolve the dispute. The working group will be convened within thirty (30) calendar days of the date that the initiating Region received notice of non-concurrence from the adjacent Region. The working group shall then report its findings within thirty (30) calendar days of the date of its meeting to the Region's Chairperson via email through the CAPRAD database. Findings may include, but not be limited to:

- Unconditional concurrence;
- Conditional concurrence contingent upon modification of applicant's technical parameters; or
- Partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference: free protection to existing licensees or pending applications within the adjacent Region.

C. If the working group is unable to resolve the dispute, then the matter shall be forwarded for evaluation to the National Plan Oversight Committee (NPOC), of the National Public Safety Telecommunications Council. Each Region involved in the dispute shall include a detailed explanation of its position, including engineering studies and any other technical information deemed relevant. The NPOC will, within thirty (30) calendar days, report its recommendation(s) to the Regional chairpersons via the CAPRAD database. The NPOC ' s decision may support either of the disputing Regions or it may develop a proposal that it deems mutually advantageous to each disputing Region.

D. When adjacent Region concurrence has been secured, and the channel allotment(s) do (es) not change the Region's current Federal Communications Commission (FCC) approved channel allotment matrix, the initiating Region may then advise the applicant(s) that their application may be forwarded to a frequency coordinator for processing and filing with the FCC.

E. Where adjacent Region concurrence has been secured, and the channel allotment(s) change(s) the Region's current FCC approved channel allotment matrix, then the initiating Region shall file with the FCC a *Petition to Amend* its current frequency matrix, to reflect the new channel allotment(s). The initiating Region will send a copy of the *Petition* to the adjacent Region's Chairperson.

F. Upon the FCC's issuance of an *Order* adopting the amended channel allotment matrix, the initiating Region's Chairperson will send a courtesy copy of the *Order* to the adjacent Region's Chairperson. The initiating Region then advises the applicant(s) that they may forward their applications to the frequency coordinator 1 for processing and filing with the Commission.

IV. CONCLUSION

A. This agreement contains the entire understanding between Region 19 and Region 8 with regard to coordination and dispute resolution procedures and supercedes any and all prior understandings, negotiations and agreements whether written or oral, between them respecting subject matter herein.

B. The parties each bind themselves, successors, assigns and legal representatives with respect to all covenants of this Agreement.

C. This Agreement becomes effective upon the date of the last signatory's signature.

Region 19 Authorized Representative and Title — Date: 2/22/05

Region 8 Authorized Representative and Title — Date: 2/28/05

COORDINATION AND DISPUTE RESOLUTION PROCEDURES BETWEEN 700 MHZ REGIONAL PLANNING COMMITTEES OF

REGION 19 AND REGION 30

I. INTRODUCTION

This is a mutually agreed upon Inter-Regional Coordination Procedures and Dispute 1 Resolution Procedures Agreement by and between the 700 MHz Regional Planning Committees of:

- New England States Region -Region 19 (hereinafter Region 19), and
- Northern New York State Region -Region 30 (hereinafter Region 30).

These procedures will be used when an applicant for 700 MHz spectrum has a proposed service area or interference contour which extends into the adjacent Public Safety Region of the Region receiving the application. Such applications will be reviewed for approval by the affected Region. Service area shall normally be defined as the area included within the jurisdictional boundary of the applicant, plus three (3) miles. Interference contour shall normally be defined as a 5 dBu co-channel contour, and a 65 dBu contour shall not overlap any adjacent channel's 40 dBu contour. Other definitions of service area or interference may be justified with an accompanying Memorandum of Understanding (MOU) or other application documentation between involved agencies. Each Region retains the right to accept or reject other definitions.

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- Unconditional concurrence;
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- Partial or total denial of proposed frequencies due to inability to meet co-channel/adjacent channel interference: free protection to existing licensees or pending applications within the adjacent Region.

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IV. CONCLUSION

A. This agreement contains the entire understanding between Region 19 and Region 30 with regard to coordination and dispute resolution procedures and supercedes any and all prior understandings, negotiations and agreements whether written or oral, between them respecting subject matter herein.

B. The parties each bind themselves, successors, assigns and legal representatives with respect to all covenants of this Agreement.

C. This Agreement becomes effective upon the date of the last signatory's signature.

Region 19 Authorized Representative and Title — Chairman

Date: 2/22/05

David St. Cook, Chairman

Region 30 Authorized Representative and Title

Date: 2/25/05

The New England 700 MHz Committee Region 19

June 21, 2004

Mr. David Cook, Chairman
Region 30 700 MHz Committee
New York State Office of Technology
Sate Capitol, ESP
P.O. Box 2062
Albany NY 12220-0062

Re: New England Region 19 700 MHz Plan

Dear Mr. Cook:

Attached is the 700 MHz Plan for New England Region 19. We are seeking your Region's approval of this Plan so that we may submit it to the Federal Communications Commission. Please review and respond within 60 days of receipt.

If you have any questions, please contact me. My phone number is (860) 685-8108. My email is: george.pohorilak@po.state.ct.us. Thank you for your time and attention to this matter.

Sincerely,

George Pohorilak II

George Pohorilak, Chairman
New England Region 19 700 MHz Committee
c/o CT Dept. of Public Safety
Office of Statewide Emergency Telecommunications
PO Box 2794
1111 Country Club Road
Middletown, CT 06457

Attachment

The New England 700 MHz Committee Region 19

June 21, 2004

Mr. Peter Meade, Chairman
Region 8 700 MHz Committee
Nassau County Fire Commission
140 15th Street
Mineola, NY 11501

Re: New England Region 19 700 MHz Plan

Dear Mr. Meade:

Attached is the 700 MHz Plan for New England Region 19. We are seeking your Region's approval of this Plan so that we may submit it to the Federal Communications Commission. Please review and respond within 60 days of receipt.

If you have any questions, please contact me. My phone number is (860) 685-8108. My email is: george.pohorilak@po.state.ct.us. Thank you for your time and attention to this matter.

Sincerely,

George Pohorilak

George Pohorilak, Chairman
New England Region 19 700 MHz Committee
c/o CT Dept. of Public Safety
Office of Statewide Emergency Telecommunications
PO Box 2794
1111 Country Club Road
Middletown, CT 06457

Attachment

NEW YORK – ALBANY (FCC Region 30)
700 MHz REGIONAL PLANNING COMMITTEE
David A. Cook, Chairman

January 10, 2005

George Pohorilak, Chairman
700 MHz Region 19
Office of Statewide Emergency Telecommunications
P.O. Box 2794
1111 Country Club Road
Middletown, CT. 06457-9294

Re: Region 19 700 MHz Plan

Dear Mr. Pohorilak:

On behalf of Region 30, I wish to inform you that we concur with Region 19's 700 MHz plan as amended per our discussions and communications.

We look forward to working with you in the future, and again our congratulations on your completion of such a challenging document.

Sincerely,

David A. Cook

David A. Cook, Chairman

74 North Pearl St., STE 2, Albany, NY, 12207-2721

TRI-STATE RADIO PLANNING COMMITTEE
REGIONAL PLANNING UPDATE COMMITTEE
700 MHz and 800MHz
FCC-REGION 8

FCC CT. N.J. N.Y.

Peter Meade, Chairman
Assistant Fire Marshal
Fire & Rescue Services
Nassau County Fire Commission
140 15th Street
Mineola, NY 11501

February 16, 2005

George Pohorilak, Chairman
700 MHz Region 19
Office of Statewide Emergency Telecommunications
PO box 2794
1111 Country Club Road
Middletown, CT 06457-9294

Re: New England Region 19 700 MHz Plan dated June 2004

Dear Mr. Pohorilak:

The Tri-State Radio Planning Committee (FCC Region 8) completed its review of New England's (Region 19) 700 MHz Plan amendment, which resulted from issues raised by Region 30 per your email dated December 23, 2004. We concur with your Region's December 23, 2004 700 MHz Plan amendment as submitted.

Should you have any questions please do not hesitate to call Ms. Maribel Martinez at (518) 443-2053.

Very truly yours,

Peter W. Meade
Chairman, Region 8

APPENDIX P
LIST OF AGREED CHANGES FOR CONCURRENCE WITH REGION 8 AND REGION 30

Changes to the New England 700 MHz Regional Plan, dated June 2004, have been made to reflect the agreements reached between Region 19, Region 8 and Region 30 regarding channel application procedures and inter-regional dispute resolution procedures. Those changes are reflected in the following sections.

- Part 1, Section 6 - New England Region 19 700 MHz Channel Application Procedures, pages 1 - 8
- Appendix O, Inter-Regional Dispute Resolution Agreement